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See pages 4–5

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See page 50

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Learn more

The center insert of this catalog contains details about many specific business integration software solutions from IBM. Be sure to check it out. And for more information visit:

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NET	NetWare**	WXP	Windows XP
NUMA-Q	NUMA-Q*	W2000	Windows 2000
PPC	Pocket PC	W95	Windows 95
SCO	SCO UNIX	W98	Windows 98
SUN	Sun Solaris**	UNIX	UNIX**

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Software development products that help you build the applications that power on demand businesses.

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WHAT'S HOT

NEW AFFORDABLE SOLUTIONS



IBM DB2 Cube Views

Dramatically improve your online analytic processing (OLAP) query performance and deployments with IBM DB2 Cube Views. The latest generation of OLAP support for DB2 Universal Database, DB2 Cube Views software enables DB2 databases to manage and deploy multidimensional data across your enterprise. So your architects can build OLAP solutions that deploy faster, are simpler to manage and improve performance across your spectrum of analytic applications—regardless of the OLAP tools and technologies used.

To learn more, turn to page 19.



IBM Lotus Express offerings

IBM announces new Lotus Express software designed to help you deploy communication, collaboration and e-business capabilities quickly.

IBM Lotus Domino Collaboration-Express

Take advantage of industry-leading instant messaging, collaboration, online meetings and group calendaring tools with licensing and pricing designed for midsize businesses. IBM Lotus Domino Collaboration-Express fits smoothly into your existing infrastructure.

IBM Lotus Domino Utility Server-Express

Leverage unlimited access to collaborative applications based on IBM Lotus Domino using either a Web browser or your Lotus Notes client. Choose from hundreds of off-the-shelf or custom collaboration applications that fit the needs of your organization.

To learn more, turn to page 52.

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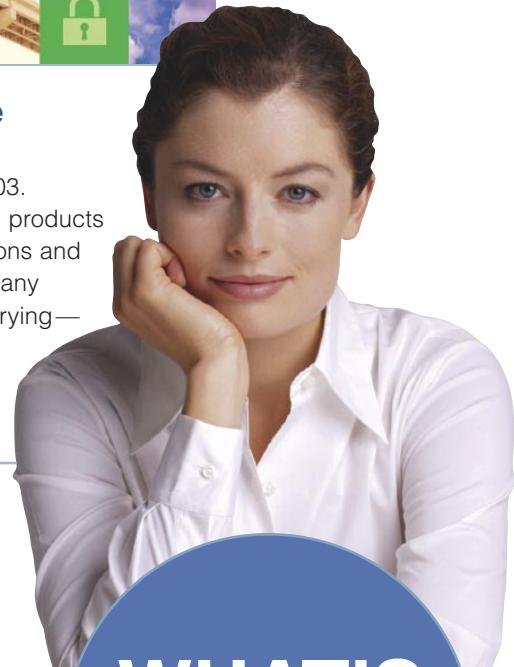
NEW SOFTWARE UPDATES



IBM adds Microsoft Windows Server 2003 to the wide range of platforms supported by IBM software

Microsoft recently launched its latest server operating system—Windows Server 2003. And IBM has announced a full set of software products supporting it, with additional products rolling out soon. IBM software unites heterogeneous systems and software applications and enables integration within and across businesses. Windows Server 2003 is one of many operating environments supported by IBM software, to better serve you and your varying—and evolving—business requirements.

To learn more, visit ibm.com/software/windows2003.



**WHAT'S
NEW**

Tivoli orchestration and provisioning to deliver e-business on demand

To succeed in today's competitive market and maintain a responsive, flexible, proactive e-business, companies like yours must accurately and efficiently allocate IT resources. You need to make sure these resources are being used in the right place at the right time. Tasked with reducing costs while meeting customer demand, you must maintain efficiencies by aligning IT spending with business objectives. IBM Tivoli Intelligent ThinkDynamic Orchestrator enables your IT systems to sense and respond to disruptions or threats before they occur—so you can provide consistent levels of service across your entire value chain.

- Avoid *rip-and-replace* implementation—protect existing investments, lower implementation costs and speed return on investment by utilizing existing hardware, software and network devices without rewriting or changing your network architecture.
- Help reduce costs—improve server utilization and boost server-to-administrator ratios by automating and orchestrating all the steps necessary to deploy new solutions.
- Adopt solutions at your own pace—test and implement new applications as your business needs dictate using manual, semi-automatic or automatic modes of operation.

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Rational software delivers a more efficient development platform—so you can deliver e-business on demand.



Your marketplace is constantly changing. To quickly adapt your business processes, you need tools that allow you to answer the needs of your customers in real time. Products that enable you to develop and integrate all of your applications to run your business more efficiently. Tools that can build software developer proficiency and help you deliver e-business on demand.

With the recent addition of Rational software to its award-winning portfolio, IBM offers new capabilities that help automate and accelerate the many steps involved in software development, including requirements and analysis, visual modeling, automated testing and change management. These tools unify your development team with a common process and time-tested approach to building software. The result? A more efficient, time-saving development cycle—leading to improved business processes and faster time to market.

Rational software products span many operating systems and support multiple cross-development operating environments, IDEs and languages, including Java, C/C++/C# and Microsoft.NET.

IBM Rational Suite Family

Leverage editions built specifically for analysts, developers, testers and real-time engineers to experience the functionality of the Rational software family in a single, cost-effective product suite.

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Take advantage of a scalable solution that combines proven best practices with a variety of process plug-ins to support development projects of virtually any size, scope or technology environment.

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Define new solutions efficiently by capturing and managing evolving requirements and by incorporating critical feedback throughout your project life cycle.

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IBM Rational Rose®

Leverage the industry's standard notation for representing architecture and design models—the Unified Modeling Language—to build better software, faster.

IBM Rational TeamTest

Automate functional, regression and performance testing—and provide centralized test management and defect tracking—to finish application development projects faster and deploy them sooner.

IBM Rational ClearCase and ClearQuest

Manage the impact of changes in your business environment with transparent code sharing, version control, advanced workspace and build management, and flexible defect tracking.

Many more Rational software products are available.

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DB2 Universal Database

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Stretch your software dollars with Passport Advantage!
See page 6

- **Provides innovative self-managing and self-tuning capabilities, dramatically reducing the time and costs associated with managing database systems**
- **Delivers industry-leading support for Federated Web Services and XML**
- **Delivers advance business intelligence support through Multi-Dimensional Clustering (MDC) capability**
- **Includes a Development Center with tools to improve developer productivity in both Java and Microsoft environments**
- **Offers a new Express Edition with a low entry cost and simplified deployment.**

IBM DB2 Universal Database V8.1 allows you to access any information, from any application, from any place in your organization anytime, and still at the total lowest cost of ownership in the industry.

This newest release provides new and significant automation capabilities through SMART (Self-Managing and Resource Tuning), Business Intelligence enhancements, and expanded abilities to integrate information across your company.

Innovative Manageability

DB2 greatly reduces the complexity of data management by eliminating, simplifying, and automating many tasks. These advances are the first step towards autonomic computing, and include:

- Configuration Advisor that provides the knowledge of a seasoned DBA
- New Health Center/Monitor that keeps the DB2 database functioning
- Memory Visualizer to dynamically see and control DB2's memory usage
- Advisors to deliver expert advice on index and materialized query tables
- Simplified management of large scale partitioned databases.

New Levels of Integrated Information

DB2 enables you to share, understand, and utilize your data in new and exciting ways. Two key enhancements deliver improved integration:

- Federated Web Services allow consolidation of information from Web service providers
- XML productivity tools automate integration of XML with relational data.

WS2003 WNT W2000 W98 W95 LNX AIX HP-UX SUN



Robust e-business Foundation

Improvements in the critical areas of scalability, performance, and availability include:

- Connection Concentrator which allows scalability to more users
- Null and default compression that supports more efficient storage of ever-larger amounts of data
- Online operations of key tasks like in-place table reorganization, configuration changes and bulk data loads.

Integrated Business Intelligence

DB2 continues to innovate and integrate key business intelligence technologies to enable users to gain faster insight and ROI from their data. Key advances in this area include:

- New multidimensional data clustering feature that improves the performance of complex queries.

Enhanced Application Development Productivity

DB2 continues its commitment to open standards for application development with a new Development Center that:

- Supports both Java and Microsoft environments
- Operates as a standalone tool or as an integrated component of either the WebSphere Studio Application Developer or Microsoft Visual Studio environment.

There are a number of DB2 products to fit specific database requirements:

DB2 Enterprise Server Edition – is designed to meet the database server needs of midsize to large businesses. It can be deployed in Linux, Unix, and Windows server environments on any size system. ESE provides the ideal foundation for building data warehouses, transaction processing, or Web based solutions as well as the backend for packaged solutions like ERP or CRM. Additionally, ESE offers connectivity and integration for other enterprise data sources.

Leverage all your information across your e-infrastructure

DB2 Universal Database (cont.)

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DB2 Workgroup Server Edition – is the database server designed for deployment in a department or small business environment that involves a small number of internal users. WSE uses a licensing model designed to provide an attractive price point for smaller installations while still providing a full function server. WSE can be deployed in Linux, UNIX, or Windows environments on systems with up to 4 CPUs.

DB2 Workgroup Server Unlimited Edition – offers a simplified user database engine for deployment to PC-based users. It includes the remote management capabilities that make it the perfect choice for mobile deployments or satellite office implementations that don't require multi-user capability.

DB2 Universal Developer's Edition – offers a low cost package for a single application developer to design and build applications for deployment on any of the DB2 client or server platforms. This comprehensive developer's offering includes all client and server DB2 editions, DB2 Connect, the extenders, Warehouse Manager, and Intelligent Miner.

DB2 Personal Developer's Edition – enables a developer to design and build applications that utilize DB2 Personal Edition or DB2 Connect Personal Edition. This offering includes Windows and Linux versions of the Personal Edition products as well as the DB2 Extenders.

DB2 Universal Database Express Edition – is specifically tailored to meet the needs of small and mid-size companies by combining the power, function and reliability of DB2 UDB with new simplicity in packaging, installation and deployment including an option for a silent install from within an application. It offers great affordability with a very low entry cost. Express Edition can be deployed on either Linux or Windows and supports a full range of industry standard application interfaces, including Java, Microsoft's .NET, XML and Web services.

DB2 UDB Data Warehouse Enterprise and Standard

Editions – combine DB2 with IBM's leading-edge business intelligence capabilities to deliver everything needed to build and deploy next generation data warehouse solutions. The Standard Edition includes DB2 UDB Workgroup Unlimited Edition, DB2 Cube Views, DB2 Intelligent Miner Modeling, Visualization, and Scoring, and Office Connect Professional Edition. The Enterprise Edition is based on the Enterprise Server Edition of DB2 UDB. In addition to the products listed above, it also includes DB2 Data Partitioning Feature, DB2 Information Integrator Standard Edition, DB2 Query Patrol, and DB2 Warehouse Manager Standard Edition. Each of these component products is described later in this catalog in the DB2 section.

DB2 UDB Extenders can take your database applications beyond traditional numeric and character data to images, voice, video, complex documents, spatial objects and beyond. You can bring all these data types together in one SQL query and manipulate them with powerful built-in functionality. A rich set of DB2 Universal Database Extenders is offered and includes:

- **DB2 Spatial Extender** allows you to store, manage, and analyze spatial data (information about the location of geographic features) in DB2 Universal Database along with traditional data for text and numbers. These capabilities allow you to integrate spatial information with your business data, adding another element of intelligence to your database.
- **DB2 Net Search Extender** adds parallel, scalable, rich full-text search to enhance database applications with the information users need. It provides query performance and scalability by integrating caching and optimization technologies.

For more information - ibm.com/software/data/db2

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Product No. Description	Price \$
D5B69LL DB2 Universal Database Personal Edition Install LIC/SW MAINT 12 MONTHS	461
D518GLL DB2 Universal Database Enterprise Server Edition Processor LIC/SW MAINT 12 MONTHS	33,125
D5B77LL DB2 Universal Database Workgroup Server Edition User LIC/SW MAINT 12 MONTHS	311
D5B7FLL DB2 Universal Database Workgroup Server Edition Server LIC/SW MAINT 12 MONTHS	1,211
D51NDLL DB2 Universal Database Workgroup Server Unlimited Edition LIC/SW MAINT 12 MONTHS	9,375
D5B4QLL DB2 Personal Developer's Edition Install LIC/SW MAINT 12 MONTHS	[†]
D5B4ZLL DB2 Universal Developer's Edition Install LIC/SW MAINT 12 MONTHS	1,249
D52BILL DB2 UDB Express Users PA Per Client, LIC/SW MAINT 12 MONTHS	624
D52BKLL DB2 UDB Express Server Install PA Per Install, LIC/SW MAINT 12 MONTHS	124
D5298LL DB2 UDB DW Ent Ed Proc LIC/SW MAINT 12 MONTHS	62,500
D5290LL DB2 UDB DW Std Ed Proc LIC/SW MAINT 12 MONTHS	18,750
D5ASKLL DB2 Net Search Extender Processor LIC/SW MAINT 12 MONTHS	6,625
D5ATQLL DB2 Spatial Extender Processor LIC/SW MAINT 12 MONTHS	9,250

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[†] Call for Passport Advantage savings on licenses, maintenance and trade up options.

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Enhanced DB2 management products

DB2 Tools for Multiplatforms and for Workgroups

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DB2 Tools for Multiplatforms and Workgroups offer:

- **Facilitate high database performance, availability and data integrity for DB2® Universal Database™ on Linux®, UNIX® and Windows® (LUW) platforms**
- **Provide fast recovery, enhanced performance and easily managed operations**
- **Help reduce database administrative costs and improve DBA productivity**
- **Effect transformation to autonomic, on demand computing.**

IBM DB2 Tools for Multiplatforms are specifically designed to enhance the performance of DB2 Universal Database Enterprise Edition, Enterprise-Extended Edition and Enterprise Server Edition. IBM DB2 Tools for Workgroups are available for DB2 UDB Workgroup Server Edition and Workgroup Server Unlimited Edition.

The tools support the newest versions of the databases right when they are available, making it easy to migrate from version to version and still get benefit from tools support. IBM Data Management Tools can share data and functions across tools. This adds up to increased ease-of-use, less training time, and higher productivity for DBAs. The following tools are available:

IBM DB2 Performance Expert for Multiplatforms and Workgroups, Version 1.1

IBM DB2 Performance Expert for Multiplatforms offers a comprehensive view that consolidates, reports, analyzes and recommends changes on DB2 performance-related information. The tool includes a Performance Warehouse that stores performance data and analysis tools as well as a Buffer Pool Analyzer that collects data and provides reports on related event activity. With online monitoring capabilities, DB2 Performance Expert monitors DB2 Connect™ gateways including application- and system-related information. Building on IBM's autonomic computing and on demand expertise, DB2 Performance Expert also offers recommendations for system tuning to gain optimum throughput. Other capabilities of the tool include:

- Analyzes, controls and tunes performance for DB2 UDB and its applications
- Provides an online monitor, predefined and customizable reports
- Includes a performance warehouse to store performance related data for further performance review and trend analysis



- A cross-platform tool with offerings for DB2 UDB on Linux, UNIX, and Windows as well as separate offerings for the z/OS (390) environment
- Buffer Pool Analyzer and DB2 Connect Monitoring
- Trace and exception reporting.

IBM DB2 Recovery Expert for Multiplatforms, Version 1.1

DB2 Recovery Expert for Multiplatforms provides targeted, flexible and automated recovery of database assets. Its easy-to-use environment enables even less experienced DBAs to successfully complete highly sophisticated and efficient recovery techniques in minimal time. DB2 Recovery Expert provides intelligent analysis and diagnostics of altered, incorrect or missing database assets including tables, indexes or data. It also automates the process of rebuilding those assets to a correct "point-in-time," often without taking the database or e-business operations offline. Other capabilities of the tool include:

- Rebuilds logical structures of restored objects and dependencies automatically
- Has the ability to specify the scope of data changes viewed by date, user, table, and other parameters from a graphical user interface
- Pinpoints data changes with multiple filters, and quickly selects log records for examination
- Restores dropped objects and related dependencies, even if they no longer exist in the DB2 catalog
- Automatically maintains the integrity of restored objects and data
- Supports database assets such as tablespaces, tables, indexes and data in the recovery process
- Automatically generates SQL for undo/redo processing
- The mini-log capability allows the DBA to exploit off-line cycles to preprocess log data, reducing the need to backup copy data. This allows recovery routines to focus on single objects and previous states.

Enhanced DB2 management products

DB2 Tools for Multiplatforms and for Workgroups (cont.)

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IBM DB2 High Performance Unload for Multiplatforms and Workgroups, Version 2.1

An IBM DB2 Tool that helps reduce the maintenance window is DB2 High Performance Unload for Multiplatforms. This product gives customers a fast and efficient tool for unloading and extracting data for movement across the enterprise or for reorganization in-place. It delivers high levels of parallelism and distribution of data across multiple logical and physical partitions and supports DB2 Enterprise Edition/Enterprise Server Edition (SMP) and data that has been distributed across multiple logical and physical nodes on an MPP system (DB2 Enterprise-Extended Edition/ Database Partitioning Feature-DPF). Other capabilities of the tool include:

- Performs sequential table reading without DB2 UDB overhead
- Creates multiple output files during a single unload process
- Can make the output file-set a tape, disk, or named pipe suitably formatted for optional reorg or reload
- Can unload selected rows and columns such as every nrow and maximum rows
- Can unload DB2 UDB table data from multiple database partitions in a single or multiple output streams
- Optionally unloads data and moves information from a partitioned table to a single file-set for use in another database environment. It supports both command line and DB2 Control Center interfaces
- Optionally unloads data and moves information from a partitioned table to a single file-set for use in another database environment.

IBM DB2 Table Editor for Multiplatforms and Workgroups, Version 4.3

IBM DB2 Table Editor for Multiplatforms quickly and easily accesses, updates and deletes data across multiple DB2 database platforms, including IBM Informix® Dynamic Server 9.x. Through integration with the Control Center, or Web-based interfaces, the tool supports high-function editing with full support for DB2 security and user profiles. In addition to editing raw data, you can create Editing Forms with drag-and-drop graphical user interfaces. Other capabilities of the tool include:

- Provides a full screen table editor (data)
- Offers both Windows and Java front-end applications

- Supports referential integrity
- Provides a SQL Command button (stored procedures)
- Supports Large Objects (Windows and Java only)
- Lets you design unlimited numbers of table editing forms to deploy for specific tasks and/or on specific data.

IBM DB2 Web Query Tool for Multiplatforms and Workgroups, Version 1.3

DB2 Web Query Tool for Multiplatforms makes it easy for users at all levels to access enterprise data for query, data comparison or reporting through multiple interfaces. These interfaces can include traditional Web-based browsers, e-mail clients and wireless devices such as PDAs, text pagers and WAP-enabled cellular phones. With Version 1.3, DB2 Web Query Tool also supports IBM Informix Dynamic Server 9.x. Other capabilities of the tool include:

- Supports WebSphere 4.x
- Provides server side XSL translations
- Supports stored procedure
- Provides publishable results/queries
- Provides the capability to mark saved objects as Web publishable (WQ assigns a url for direct access)
- Offers SOAP services
- Provides scalable vector graphing
- Supports Large Objects (LOB).

For more information - ibm.com/software/data/tools

Product No.	Description	Price \$
D512ALL	IBM DB2 High Performance Unload for Multiplatforms LIC/SW MAINT 12 MONTHS	4,335
D529XLL	IBM DB2 High Performance Unload for Workgroups LIC/SW MAINT 12 MONTHS	1,250
D512DLL	IBM DB2 Recovery Expert for Multiplatforms LIC/SW MAINT 12 MONTHS	9,910
D512GLL	IBM DB2 Performance Expert for Multiplatforms LIC/SW MAINT 12 MONTHS	9,910
D52A5LL	IBM DB2 Performance Expert for Workgroups LIC/SW MAINT 12 MONTHS	3,000
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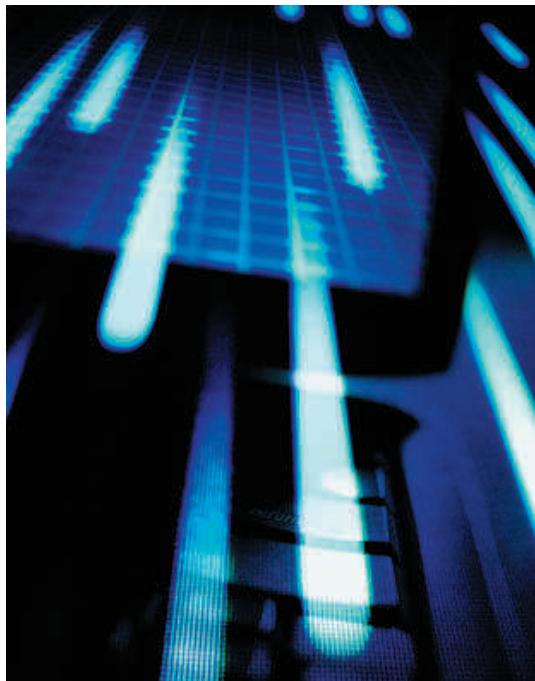
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Extending the reach of your enterprise

IBM Informix DataBlade Technology

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On-line, self-paced, 24x7 available offerings with instructor access. Visit: ibm.com/training/us/elearning/etutorial



- Extends server functionality
- Fuels high-speed content management
- Empowers customization
- Manages multi-media content with finesse
- Captures geospatial business intelligence.

IBM Informix® DataBlade Technology puts the power of the Internet directly into the IBM Informix Dynamic Server. IBM Informix DataBlade modules are server extensions that are integrated into the very core of the engine, delivering unparalleled application functionality and outstanding performance. With IBM Informix DataBlade modules, images; formatted documents; and complex, time-series

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video image and information html pages can all be stored, indexed and accessed directly in the relational database, providing greater security, performance, and ease of use.

Spatial DataBlade module enables you to intelligently manage complex geospatial information alongside traditional data without sacrificing the efficiency of the relational database model.

Geodetic DataBlade module supports global space- and time-based queries without the limitations inherent in map projections, and provides high precision regardless of global location.

TimeSeries DataBlade module provides sophisticated support for the management of time-series and temporal data.

TimeSeries Real-Time Loader module is a data loader that works in conjunction with TimeSeries and NAG (Numerical Algorithms Group) DataBlade modules to achieve better performance and analytics than is possible with either traditional relational databases or standalone real-time analysis software.

Web DataBlade module is a collection of tools, functions, and examples that ease development of "intelligent", interactive, Web-enabled database applications. The Web DataBlade module supports most Web Server APIs, and enables a truly interactive Web site. Tightly integrated with Web DataBlade is IBM Informix Data Director for Web (DDW), a powerful and visually intuitive development environment. DDW enables you to quickly prototype, build, manage and deploy dynamic Web applications.

Use a single DataBlade module, or integrate several to create a unique, customized information management solution. IBM Informix DataBlade technology can help you make more efficient, smarter business decisions.

For more information - ibm.com/software/data/informix/blades

Product No. Description	Price \$
D6DKVLL Informix Spatial DataBlade Processor LIC/SW MAINT 12 MONTHS	†
D6DK6LL Informix Geodetic DataBlade Module Processor LIC/SW MAINT 12 MONTHS	50,000
D6DL3LL Informix TimeSeries DataBlade Module Processor LIC/SW MAINT 12 MONTHS	12,500
D6DLBLL Informix TimeSeries Real Time Loader Bundle LIC/SW MAINT 12 MONTHS	87,500
D6DF5LL Informix Web DataBlade Module Processor LIC/SW MAINT 12 MONTHS	12,500
D6DBLLL Informix Data Director for Web Registered User LIC/SW MAINT 12 MONTHS	1,125

Additional DataBlade modules available.

Prices shown include license and software maintenance. Additional savings on volume purchases and trade up options may apply.

[†] Informix Spatial DataBlade is available as a no-charge download at: ibm.com/software/data/informix/blades/spatial

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call **800 426-2255**

Easy OLTP relational database for small to mid-size businesses

IBM Informix OnLine Extended Edition



Product
Update



AIX LNX HP-UX SUN SCO

IBM Informix OnLine Extended Edition provides users with fast response in low-to-medium transaction environments. It also:

- Maintains outstanding performance levels through raw disk management, shared memory, multiprocessor features, and cost-based optimization
- Insures high availability through multiple recovery mechanisms
- Maintains data consistency at systems and transaction levels without compromising ease of access and performance
- Allows transparent manipulation of multiple databases at different locations and transaction consistency
- Features ease of administration.

For more information -
ibm.com/software/data/informix/online5/extended

Product No.	Description	Price \$
D6DHNLL	Informix OnLine Concurrent Session LIC/SW MAINT 12 MONTHS	875

Prices shown include license and software maintenance. Additional savings on volume purchases and trade up options may apply.

■ Provides superior OLTP, data integrity and multimedia data management capabilities

■ Supports a wide variety of application development and third party tools

■ Easy-to-use and runs on a wide range of UNIX-based hardware systems

■ Ideal for applications in stand-alone, networked, or embedded environments.

Scalable, reliable, high availability OLTP database

IBM Informix Dynamic Server

WXP WS2003 W2000 LNX AIX UNIX HP-UX SCO SUN

■ Breakthrough scalability, manageability and performance

■ Superior total cost of ownership coupled with industry-leading support

■ Strong application partner support

■ Industry-leading extensibility

■ Strong Integration with IBM software portfolio

■ Broad cross platform and open standards support including Web Services, Linux, autonomic computing and on demand e-business.

critical data infrastructure that enterprises need to run their businesses. The latest IBM release of IDS contains significant enhancements in the areas of performance, replication, availability, scalability and security for superior on-line transaction processing computing. In addition, IDS continues to reduce the complexity, time, DBA skills and costs related to database management by simplifying and automating many of the tasks associated with maintaining an enterprise database. Upgrading from any previous release of IDS is a simple, highly automated task. IDS continues to enjoy support from many leading business partners and customers around the world.

For more information - ibm.com/software/data/informix/ids

IBM Informix Dynamic Server continues long-standing traditions within IBM and Informix of delivering the mission-

Product No.	Description	Price \$
D6DAXLL	Informix Dynamic Server Enterprise Ed. Unlimited Processor LIC/SW MAINT 12 MONTHS	50,000
D5282LL	Informix Dynamic Server Enterprise Edition Concurrent Session LIC/SW MAINT 12 MONTHS	2,065
D6DB5LL	Informix Dynamic Server Workgroup Ed. Server LIC/SW MAINT 12 MONTHS	1,250
D6DBDLL	Informix Dynamic Server Workgroup Edition Concurrent Session LIC/SW MAINT 12 MONTHS	375

Prices shown include license and software maintenance. Additional savings on volume purchases and trade up options may apply.

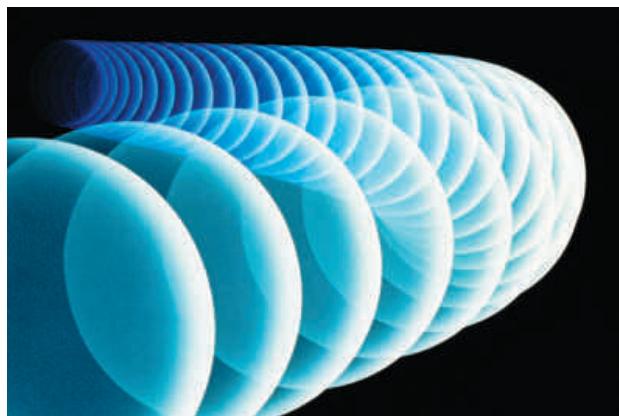
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Rapid application development

IBM Informix 4GL

LNX AIX UNIX HP-UX SUN



- **Provides rapid development and interactive debugging capabilities**
- **Offers excellent business reporting functions**
- **Ideal for non-visual, update and calculation intensive logic**
- **Customer applications range from online transaction processing (OLTP) applications such as order entry, distribution and business office to batch processing.**

IBM Informix 4GL provides great value in performing significant server-side logic (as opposed to simple stored procedure components) in a rich, debuggable language that promotes programmer efficiency. It also:

- Offers high performance in the production environment
- Integrates all the functionality you need for building even the most complex applications
- Does not require the use of a third-generation language
- Allows you to easily maintain your applications
- Based on industry-standard SQL.

For more information - ibm.com/software/data/informix/tools/4gl

Product No.	Description	Price \$
D51ILL	Informix 4GL Rapid Dev. System - Runtime Processor LIC/SW MAINT 12 MONTHS	11,250
D6DGALL	Informix 4GL Rapid Dev. System - Dev. Registered User LIC/SW MAINT 12 MONTHS	1,125
D6DG2LL	Informix 4GL Rapid Dev. System - Runtime Concurrent Session LIC/SW MAINT 12 MONTHS	375
D6DFULL	Informix 4GL Interactive Debugger - Dev. Registered User LIC/SW MAINT 12 MONTHS	375
D51IILL	Informix 4GL Compiler - Runtime Processor LIC/SW MAINT 12 MONTHS	11,250
D6DFLLL	Informix 4GL Compiler - Dev. Registered User LIC/SW MAINT 12 MONTHS	1,125
D6DFDLL	Informix 4GL Compiler - Runtime Concurrent Session LIC/SW MAINT 12 MONTHS	375

Prices shown include license and software maintenance. Additional savings on volume purchases and trade up options may apply.

Visualize and manipulate your enterprise data over the Web

DB2 Office Connect

WNT W2000 W98 W95



■ **Data visualization and reporting for e-business**

■ **Web-based framework for secure database access and manipulation**

■ **Queries HTML data sources over the Internet**

■ **Leverages existing office infrastructure**

■ **No additional product training or Database/SQL expertise required.**

DB2 Office Connect is a plug-in for Microsoft™ Excel that enables sophisticated database query and update for the creation of dynamically updated spreadsheets that seamlessly issue SQL to IBM data warehouses or almost any other JDBC-compliant data source. This third-generation connection tool enables end-users to "slice and dice" data in a familiar and easy-to-use spreadsheet. Users can produce their own reports through drag-and-drop capabilities, eliminating the requirement for application programming expertise.

Secure Web-based Microsoft Excel applications can be deployed with minimum investment of time and resources. Such centralized spreadsheet models can be distributed over the company's intranet or over the Internet in a secured controlled environment.

There are three editions of DB2 Office Connect V4.0:

DB2 Office Connect Enterprise Web Edition provides unlimited user licenses. Included in DB2 Data Warehouse Enterprise Edition, and developed for Web deployment to allow connection of spreadsheets to servers running behind a firewall, for data manipulation over the Web.

DB2 Office Connect Professional Web Edition includes five user licenses. Included in DB2 Data Warehouse Standard Edition, this Web edition provides a lower cost entry point for companies with fewer users.

DB2 Office Connect Analytics Edition is designed to work with, and included with DB2 Cube Views. It is an add-in to Microsoft Excel that provides an intuitive way to bind a Microsoft Excel application to one or more data sources. Leveraging built-in Excel functionality and open API capabilities, DB2 Office Connect provides a number of OLAP features.

For more information - ibm.com/software/data/db2/officeconnect/

Product No.	Description	Price \$
D6DC2LL	DB2 Office Connect Web Edition Processor LIC/SW MAINT 12 MONTHS	11,560

Prices shown include license and software maintenance. Additional savings on volume purchases and trade up options may apply.

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Integrated, real-time access to diverse and distributed data

DB2 Information Integrator

WNT WXP W2000 W98
LNX AIX HP-UX SUN

IBM DB2 Information Integrator Version 8.1 provides the foundation for a strategic information integration framework to access, manipulate, and integrate diverse, distributed, and real-time data. It enables users to access and manipulate data as though it is from a single source. DB2 Information Integrator core capabilities include:

A Federated Data Server – Administrators configure data source access and define integrated views across diverse and distributed data including both relational databases and non-relational data sources. Applications use SQL to query or search across the aggregated data sources as if they were in a single database. Applications can also insert, update, or delete rows from federated relational databases.

A Replication Server for Mixed Relational Databases – Users can replicate data between mixed relational data sources.

A Local Database Server – The Advanced Edition licensing option entitles the user to a full function copy of DB2 Universal Database.

To address customer requirements, IBM DB2 Information Integrator V8.1 is offered in these five editions:

Replication Edition provides the capabilities of a federated replication server.

Standard Edition provides the capabilities of a federated replication server and a federated data server, including powerful and versatile federated text search.

Advanced Edition includes the Standard Edition and adds the power and versatility of using the local DB2 UDB database server.

Advanced Edition Unlimited provides all the function of Advanced Edition and includes entitlement for an unlimited number of data connections.

Developer Edition offers a low cost package for a single application developer.

For more information - ibm.com/software/data/integration

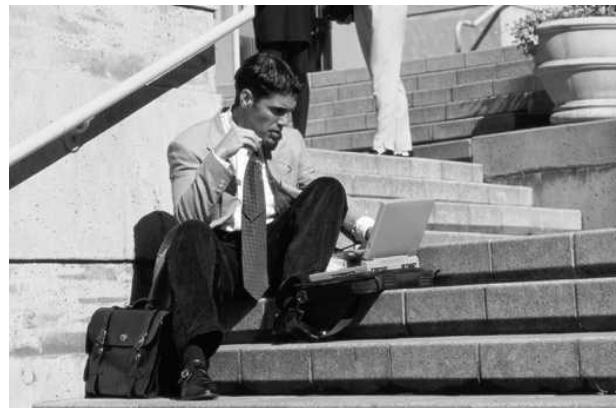
Product No.	Description	Price \$
D51VTLL	IBM DB2 Information Integrator Replication Edition Processor, LIC/SW MAINT 12 MONTHS	6,250
D51LILL	IBM DB2 Information Integrator Standard Edition Processor, LIC/SW MAINT 12 MONTHS	25,000
D51KLL	IBM DB2 Information Integrator Advanced Edition Processor, LIC/SW MAINT 12 MONTHS	50,000
D529MLL	IBM DB2 Information Integrator Advanced Edition Unlimited Processor, LIC/SW MAINT 12 MONTHS	156,250
D51LCLL	IBM DB2 Information Integrator Developer Edition User, LIC/SW MAINT 12 MONTHS	1,249

Prices shown include license and software maintenance. Additional savings on volume purchases and trade up options may apply.

Extend your enterprise with DB2 on mobile devices

DB2 Everyplace

WNT W2000 LNX AIX



DB2 Everyplace® is a small-footprint, high-performance, enterprise-ready relational database and synchronization server designed for mobile, wireless or embedded computing. It provides mobile workers with “no boundaries” access to enterprise applications and data and allows programmers to quickly develop leading-edge mobile and enabled applications.

The **DB2 Everyplace Relational Database** is capable of high-performance data queries handling large volumes of mobile data and users using a high-powered database engine in a server in a connected or disconnected mode. It also delivers information encrypted on the handheld device, ensuring that corporate data is safe no matter where it resides or who attempts to access it.

In addition to the database itself, **DB2 Everyplace Enterprise Edition** includes the DB2 Everyplace Sync Server. This server securely exchanges data between enterprise data sources and mobile devices and also allows real-time queries to be performed. V8 delivers multiple server support and automatic upgrade deployment making it even more reliable, robust, and easy to use in a corporate environment.

For more information - ibm.com/software/data/db2/everyplace

Product No.	Description	Price \$
D519ALL	DB2 Everyplace Enterprise Edition Processor LIC/SW MAINT 12 MONTHS	26,475
D5D00LL	DB2 Everyplace Database Edition User LIC/SW MAINT 12 MONTHS	65

Prices shown include license and software maintenance. Additional savings on volume purchases and trade up options may apply.

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e-business Web
infrastructure.
See page 47.

Transparent access to data

DB2 Connect

WS2003 WNT W2000 W98
LNX AIX HP-UX SUN

- **Enables fast, secure access from the Web to enterprise data stored in both relational and non-relational databases**
- **Provides the performance, scalability, reliability and availability needed for the most demanding e-commerce, CRM, BI, and ERP applications**
- **Provides extensive application programming tools for developing client-server and Web applications using industry-standard APIs**
- **Integrates mobile PC and pervasive computing device users with up-to-date data from S/390 and AS/400 database servers.**

DB2 Connect™ provides function-rich and robust access to DB2 and Informix servers. It also integrates data from non-relational mainframe systems and when used with the IBM extended federated capabilities, provides access to Oracle, Sybase, and Microsoft SQLServer databases. V8 of DB2 Connect enhances solutions in the following key areas:

- Performance and scalability
- Improved application availability
- Innovative manageability
- Application development productivity

DB2 Connect is made available as four separate products:

- **DB2 Connect Personal Edition** – licensed for use by one user on a single workstation, for connection to any number of mainframe and minicomputer database servers
- **DB2 Connect Enterprise Edition** – available with the Standard Server/User Model licensing option
- **DB2 Connect Application Server Edition** – license charges are based on the number of processors used by the Web or application servers connecting to DB2 Connect
- **DB2 Connect Unlimited Edition** – unlimited usage model based on Millions of Service Units per hour (MSU) DB2 UDB entitlements.

For more information - ibm.com/software/data/db2/db2connect

Product No.	Description	Price \$
D5AQYLL	DB2 Connect Personal Edition Install LIC/SW MAINT 12 MONTHS	290
D5AWOLL	DB2 Connect Enterprise Ed. Server LIC/SW MAINT 12 MONTHS	3,975
D5AW9LL	DB2 Connect Enterprise Ed. User LIC/SW MAINT 12 MONTHS	395
D51PVLL	DB2 Connect Application Server Edition Processor LIC/SW MAINT 12 MONTHS	19,850
D5AQPLL	DB2 Connect Unlimited Edition MSU LIC/SW MAINT 12 MONTHS	150
D5AR6LL	DB2 Connect Unlimited Edition Host Server LIC/SW MAINT 12 MONTHS	66,194

Prices shown include license and software maintenance. Additional savings on volume purchases and trade up options may apply.

Electronic record keeping

IBM Records Manager

WNT WXP W2000 W98



- **e-records enable business applications – for both electronic and physical records**

- **Records are retained within the host application repository**

- **Full API programming language for Windows® and non-Windows environments**

- **100% Web-based server technology and administration means zero desktop footprint**

- **DoD 5015.2-STD June 2002 certified**

- **Includes powerful Recordkeeping Methods Modeling (RMM) to support unique requirements.**

IBM's Records Manager V2.1 brings electronic record keeping directly to your current business application software. Records Manager provides all underlying record keeping infrastructure on a remote dedicated server. You simply embed end-user Declare and Classify processes into the business software's user interface to record-enable the business application.

When a document is declared to be a corporate record, full formal lifecycle management will be applied to it. Records Manager assigns the appropriate retention and disposition rules to the declared record based on metadata characteristics using rules-based autoclassification. Declared documents are maintained and controlled within the application's repository, not removed from it.

For more information - ibm.com/software/data/cm/cmgr/rm

Product No.	Description	Price \$
D5213LL	IBM Records Manager Server LIC/SW MAINT 12 MONTHS	24,001
D5210LL	IBM Records Manager User LIC/SW MAINT 12 MONTHS	250

Prices shown include license and software maintenance. Additional savings on volume purchases and trade up options may apply.

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call **800 426-2255**

Delivering information on demand

DB2 Content Manager and DB2 Information Integrator for Content

WNT W2000 AIX SUN



Product Update

- Offers a multi-tier, distributed architecture that offers scalability, openness, and a secure environment
- Includes a powerful and expressive, XML-ready data model
- Integrates with mission-critical applications and middleware including Siebel, PeopleSoft, DB2 Records Manager, WebSphere MQ Workflow, and WebSphere Portal
- Supports replication to store and manage objects in multiple locations
- Provides a common API for integrating all forms of content to applications.

DB2 Content Manager for Multiplatforms is the core of the DB2 Content Manager portfolio for enterprise content management. The Windows Client is the desktop client for high-volume, high-performance applications. An eClient provides a browser client which communicates through the mid-tier server and/or directly to Resource Managers for fast and secure delivery of objects. DB2 Content Manager Servers provide transaction, security, process integration, and life cycle services and an open and comprehensive framework to manage, share, reuse, and archive all types of digitized content.

DB2 Content Manager OnDemand is an electronic report management and statement presentation solution that enables high-volume capture of computer output as well as archiving of scanned documents.

DB2 Content Manager VideoCharger uses Web browsers to deliver rich digital media over the Internet.

DB2 Content Management Entry Offering provides an affordable way for small businesses to deploy a centralized electronic content repository.

DB2 CommonStore Solutions for SAP, Lotus Domino, and Microsoft Exchange Server archive key data, documents, and e-mail, while providing users direct access on demand to content from those applications.

DB2 CommonStore for SAP Entry Offering is priced to fit the needs of the Small and Medium Business (SMB/GMB) marketplace. With this offer, the server price has been reduced, while the user price has been raised. This pricing structure is more attractive to customers who need SAP archiving capabilities for an organization of 150 or fewer users.

DB2 Information Integrator for Content V8.2 is an information integration framework for accessing and integrating diverse and distributed content across an enterprise. It provides:

- easy access to and integration of content
- support for all forms of data, including structured data (relational databases), or unstructured content (such as text, images and video)
- a unified API set and single query interface to supports enhancement of many e-business applications
- connection to a multitude of other information sources, including DB2 or other Open Database Connectivity (ODBC) and Java Database Connectivity (JDBC) relational databases, file systems, Lotus Domino databases, and more
- capabilities for extended searches, crawling, information mining and advanced workflow
- enhanced information mining with expanded language support and updated functions for support of IBM Intelligent Miner for Text.

An optional feature, Content Connect for Panagon Images Services Server is also available.

For more information - ibm.com/software/data/cm

FOR
PRODUCT
AVAILABILITY
on the z/OS and
OS/400
operating
environments
visit: ibm.com/software/zseries or
ibm.com/servers/eserver/iseries/software

Product No.	Description	Price \$
D5BU4LL	DB2 Content Manager Server LIC/SW MAINT 12 MONTHS	29,729
D5BTVLL	DB2 Content Manager Concurrent User LIC/SW MAINT 12 MONTHS	2,477
D5BXOLL	DB2 Content Manager VideoCharger Server LIC/SW MAINT 12 MONTHS	18,580
D5BS7LL	DB2 Content Manager Entry Offering User LIC/SW MAINT 12 MONTHS	4,192
D5BRRLL	DB2 Content Manager CommonStore for SAP Install LIC/SW MAINT 12 MONTHS	29,985
D5BRZLL	DB2 Content Manager CommonStore for SAP Client LIC/SW MAINT 12 MONTHS	244
D5BRALL	DB2 Content Manager CommonStore for Domino Server LIC/SW MAINT 12 MONTHS	29,985
D5BRILL	DB2 Content Manager CommonStore for Domino Reg User LIC/SW MAINT 12 MONTHS	31
D5CVLLL	DB2 Content Manager CommonStore for Domino Gateway LIC/SW MAINT 12 MONTHS	12,500
D50KXLL	DB2 Content Manager CommonStore for Exchange Server LIC/SW MAINT 12 MONTHS	29,985
D50KLLL	DB2 Content Manager CommonStore Exchange User LIC/SW MAINT 12 MONTHS	31
D50L0LL	DB2 Content Manager CommonStore Exchange Gateway LIC/SW MAINT 12 MONTHS	12,500
D52FBLL	DB2 CommonStore for SAP Entry Offering Server Install LIC/SW MAINT 12 MONTHS	7,000
D52F7LL	CommonStore for SAP Entry Offering Users LIC/SW MAINT 12 MONTHS	300
D5BW8LL	DB2 Information Integrator for Content Processor, LIC/SW MAINT 12 MONTHS	65,001
D50M3LL	Content Connector for Paragon Image Service Server LIC/SW MAINT 12 MONTHS	50,000

Prices shown include license and software maintenance. Additional savings on volume purchases and trade up options may apply.

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Manage and access the DB2 Data Warehouse Center with ease

DB2 Warehouse Manager

LNX SUN W2000 AIX WNT WS2003



Product Update



- **Delivers expanded extract, transform and load (ETL) function beyond the standard library in DB2 Data Warehouse Center**
- **Includes distributed agents for data movement for a wide variety of operating platforms to efficiently move data between multiple source and target systems without the bottleneck of a centralized server**
- **Supports user-defined transformations for stored procedures, executables, and user-defined functions**
- **Provides an Information Catalog Center to insure end-users find, understand and access relevant data**
- **Manages business metadata for end-users via Web or Windows end-user interface that describes the information in business terms and provides a catalog search engine**
- **Supports information registration and sharing with any type of information object including databases, cubes, queries, reports, charts, spreadsheets, and Web pages**
- **Allows grouping by categories and varying user authorities.**

DB2 Warehouse Manager is a separately priced feature that enhances the scalability, manageability and accessibility of the DB2 Data Warehouse Center. DB2 Data Warehouse Center provides an integrated, easy to use infrastructure for creating and managing data warehouses within DB2 Universal Database.

DB2 Warehouse Manager includes enhanced extract, transform, and load (ETL) function and one of the most powerful distributed ETL job-scheduling systems in the industry. Its agents allow direct data movement between source and target systems without the overhead of a centralized server. DB2 Warehouse Manager also includes QMF for Windows and an Information Catalog.

QMF for Windows queries DB2 from its own Windows interface or from your Web browser and integrates with multiple Windows desktop tools.

Information Catalog Center assists with finding, understanding, and accessing available information stored in the data warehouse through metadata management and a repository function. The information catalog also provides an integration point for third-party independent software vendors (ISVs) to perform bi-directional metadata and job scheduling exchange.

For more information - ibm.com/software/data/db2/warehouse

Product No.	Description	Price \$
D529ZLL	DB2 Warehouse Manager Standard Edition Per Processor LIC/SW MAINT 12 MONTHS	9,375

Price shown includes license and software maintenance. Additional savings on volume purchases and trade up options may apply.

visit ibm.com/software/us/catalogorder

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Accelerates OLAP queries and integrates business intelligence

DB2 Cube Views

AIX LNX SUN
W2000 WNT WXP



Dramatically improves OLAP query performance and accelerates online analytic processing (OLAP) deployments in DB2 Universal Database

Makes the database multidimensionally aware by including metadata support for dimensions, hierarchies, attributes, and analytical functions and adding OLAP metadata to the DB2 catalogs

Analyzes the dimensional model and recommends aggregates (MQTs, also known as summary tables) that improve OLAP performance

Simplifies the exploitation of advanced DB2 technologies such as summary table management and analytical functions

Enables centralized management of the data warehouse and business intelligence metadata

Loads cubes, performs drill-through queries and ad-hoc analysis directly to the relational tables in DB2

Leverages existing SQL skills and supports numerous tools vendors to ensure interoperability of components.

DB2 Cube Views is the latest generation of OLAP support in DB2 UDB and includes features and functions that make the relational database a first-class platform for managing and deploying multidimensional data across the enterprise. It accelerates OLAP queries by using more efficient DB2 materialized query tables. DB2 materialized query tables can pre-aggregate the relational data and dramatically improve query performance for OLAP tools and applications.

DB2 Cube Views also allows users to integrate business intelligence (BI) applications with the data warehouse easily by sharing the metadata between the relational database and business intelligence applications. Instead of individually managing each application, users can model the data in the warehouse once, and deploy that model with every application – model once, use everywhere OLAP. It also accelerates OLAP deployments by building and storing dimensional metadata in the database for use by client tools.

For more information - ibm.com/software/data/db2/db2md/

Product No.	Description	Price \$
D525ILL	IBM DB2 Cube Views Processor LIC/SW MAINT 12 MONTHS	9,375

Price shown includes license and software maintenance. Additional savings on volume purchases and trade up options may apply.

A powerful query management tool

DB2 Query Patroller

AIX HP-UX SUN LNX
WNT W2000 WS2003



New



Included as part of the DB2 Universal Database Data Warehouse Enterprise Edition product offering

Provides a preemptive query governor that intercepts queries before they are executed and evaluates them against specified criteria to determine the resources and priority that should be assigned to the specific query

Controls system resource usage by allowing limits on the query to be set

Delivers improved historical analysis of database and object usage by queries

Allows real-time database monitoring

Includes the Query Patroller Center, a graphical tool that consolidates all administrative functions, to support simplified administration, monitoring, and configuration

Delivers the ability to monitor multiple databases.

DB2 Query Patroller is a powerful query management system that allows users to proactively and dynamically control the flow of queries against DB2 databases. Its features allow you to regulate your database's query workload so that small queries and high-priority queries can run promptly and your system resources are used efficiently. In addition, information about completed queries can be collected and analyzed to determine trends across queries, heavy users, and frequently used tables and indexes.

For more information - ibm.com/software/data/db2/querypatroller/

Product No.

Call for part numbers and pricing, or see DB2 UDB Data Warehouse Enterprise Edition.

Business intelligence starts here!

IBM Query Management Facility for Windows for DB2 Workstation Databases

WNT W2000 W98 W95



- **Simplifies query and reporting tasks**
- **Allows users to create and run QMF objects with a Java™-enabled browser**
- **Provides capability for visualizing data spatially and with charts.**

QMF™ for Windows quickly accesses and visualizes data and provides native connectivity to all DB2 workstation database platforms. With reporting, charting, spatial data mapping, support for Intelligent Miner (IM) scoring, and powerful scheduling and automation capabilities, beginners and experts alike can quickly develop the business intelligence they need and easily share it with others.

QMF for Windows V7.2 also provides browser-based querying, centralized administration, and server resource protection to minimize maintenance and cost of deployment. Any number of end-users are allowed with a single license.

For more information - ibm.com/qmf

Product No.	Description	Price \$
D5ASTLL	QMF for Windows for DB2 Workstation Processor LIC/SW MAINT 12 MONTHS	3,091

Prices shown include license and software maintenance. Additional savings on volume purchases and trade up options may apply.

The platform for business analysis, planning and forecasting

DB2 OLAP Server

WNT W2000 AIX HP-UX SUN

DB2 OLAP Server™ V8.1, based on Hyperion Essbase XTD, provides a complete OLAP (online analytical processing) server that:

- **Combines the high performance of Multidimensional OLAP with relational scalability**
- **Lets you exploit hardware with parallel calculation and data load**
- **Gives you a single point of administration for managing multiple OLAP Servers**
- **Offers a 100% Java™-compliant Analyzer for graphical analysis and reporting**
- **Enables you to automate the discovery of atypical patterns in your cubes.**

DB2 OLAP Server gives you a fast path to turn your warehouse data into business insight and is built for e-business with tools to help you quickly deploy Web-based analytical applications. It is a scalable, industrial-strength Online Analytical Processing (OLAP) software that enables you to build sophisticated decision support, planning, and analysis applications for your enterprise.

This powerful platform also supports all major data warehouses and is easy to integrate into any computing environment. Its leading-edge features include rapid response times in networked environments, large-scale data capacity, multi-user read/write access, flexible data navigation and linked reporting objects.

For more information - ibm.com/software/data/db2/db2olap

Product No.	Description	Price \$
D50YVLL	DB2 OLAP Developer Edition Server Install LIC/SW MAINT 12 MONTHS	12,417
D50WSLL	DB2 OLAP Developer Edition Concurrent User LIC/SW MAINT 12 MONTHS	4,343
D5B3KLL	DB2 OLAP Server Standard Edition Server Install LIC/SW MAINT 12 MONTHS	34,946
D5B3TLL	DB2 OLAP Server Standard Edition Server User LIC/SW MAINT 12 MONTHS	4,343
D5B2WLL	DB2 OLAP Server Personal Edition Install LIC/SW MAINT 12 MONTHS	1,626

Prices shown include license and software maintenance. Additional savings on volume purchases and trade up options may apply.

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The business intelligence platform for enterprise-wide analytics

DB2 Intelligent Miner

WS2003 WNT W2000 WXP AIX SUN



■ **Provides a full-function workbench for interactive data mining of data in DB2 databases, flat files, or other relational databases via DataJoiner**

■ **Allows users to identify and extract high-value business intelligence from enterprise data assets**

■ **Supports discovery of patterns across volumes of data that can not be penetrated with other analytical tools**

■ **Delivers a wide range of mining technologies and techniques to create classification and prediction models, discover associations and sequential patterns, and automatically segment databases into groups of related records**

■ **Mines data in DB2 databases, flat files or other relational databases via DataJoiner.**

DB2 Intelligent Miner™ Version 8.1 offers analysis, data exploration, and scalability options that enhance core data mining capability while making critical data more accessible to those who need it most. The enhanced capabilities of this product let you:

- Analyze business information more effectively with new visualizers for Associations, Tree Classification, and Demographic Clustering and extended data exploration
- Improve productivity through PMML- model support, export to spreadsheet, copy to clipboard and print visualizations
- Control costs with new scalability options including DB2 UDB V8.1 support and parallel processing support
- Take advantage of powerful resources through enhanced mining solutions such as SAP Business Warehouse integration and SPSS integration at the glass

DB2 Intelligent Miner Modeling V8.1 delivers DB2 extenders (specifically, stored procedures) for the following modeling operations:

- Associations discovery
- Demographic clustering
- Tree classification.

DB2 Intelligent Miner Modeling supports the development of data mining models in a format that conforms to Predictive Model Markup Language (PMML) V2.0, the new industry standard for analytic models.

DB2 Intelligent Miner Scoring V8.1 delivers database extenders (both DB2 extenders and Oracle cartridges) supporting the application of PMML 2.0 models to new data. Support is provided for all models developed via Intelligent Miner Modeling and for algorithms of DB Intelligent Miner for Data that support in application mode, which includes:

- Neural and demographic clustering
- Neural and tree induction classification
- Neural prediction and Radial Basic Function (RBF) prediction
- Linear, stepwise polynomial and logistic regression.

Application programs can utilize Intelligent Miner Scoring to classify, rank, or predict the most likely business results for all rows of a large database, a subset of the database or a single row or case. DB2 Intelligent Miner Scoring V8.1 also delivers an in-memory scoring capability through the use of a Java™ applet.

DB2 Intelligent Miner Visualization V8.1 provides Java visualizers to interact and graphically present the results of associations, demographic clustering and tree classification modeling operations. Input to the visualizers are PMML 2.0 conforming models.

The visualizers can operate inline in support of transaction processing or as an applet in a Web browser. The visualizers enable customers to analyze model results in order to gain new business insights.

For more information - ibm.com/software/data/iminer

Product No.	Description	Price \$
D5AWHLL	DB2 Intelligent Miner for Data Processor LIC/SW MAINT 12 MONTHS	74,950
D518BLL	DB2 Intelligent Miner Modeling Server LIC/SW MAINT 12 MONTHS	56,167
D5CV DLL	DB2 Intelligent Miner Scoring Processor LIC/SW MAINT 12 MONTHS	18,735
D518ALL	DB2 Intelligent Miner Visualization Server LIC/SW MAINT 12 MONTHS	18,735

Prices shown include license and software maintenance. Additional savings on volume purchases and trade up options may apply.

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WebSphere Software Platform Overview



WebSphere is infrastructure software for dynamic e-business, delivering a proven, secure and reliable software portfolio. Built on open standards, WebSphere evolves to meet the demands of companies faced with challenging business environments such as the need for increasing operations efficiencies, strengthening customer loyalty, and integrating disparate systems. WebSphere is the leading e-business platform that can provide everything you need to build, deploy and integrate your e-business, including: Foundation & Tools, Business Portals, and Business Integration. Together, these facets of the WebSphere software platform close the gap between business strategy and information technology, allowing you to create and operate a dynamic e-business.

Foundation and Tools to rapidly build and deploy applications for high-performance e-business on demand.

The core of your e-business is getting your business processes and transactions on the Web. Potential outages and performance issues can affect your bottom line. WebSphere Application Server, WebSphere Studio application development tools and WebSphere Host Integration software provide the reliable and scalable infrastructure that can support the weight of your business. Securely enables transactions and deploys Web services in an open manner. Capitalize on current skills sets and simplify application development with an open, comprehensive, development environment. Leverage and extend legacy assets to create new e-business solutions and modernize your enterprise.

Business Portals to enhance customer, employee, trading partner and supplier user experience for optimal satisfaction.

e-business is about providing a user experience that both strengthens business relationships and reaches into new markets. By extending and personalizing the user experience, WebSphere's Business Portals product families can help increase the satisfaction of customers, employees, partners, and suppliers. WebSphere Portal and WebSphere Commerce family provide the business portal capability, allowing people to interact and transact in a personalized way with diverse business resources. WebSphere Everyplace and WebSphere Voice software extend e-business applications to mobile devices and enable natural voice interactions with applications and data, allowing you to take action anywhere, anytime.

Business Integration to increase operational efficiencies and enhance business flexibility by integrating applications and automating business processes.

Business Integration is the heart of e-business on demand. It allows you to leverage existing IT investments while adapting quickly to changing business conditions. WebSphere Business Integration provides the capabilities to model and simulate processes, integrate islands of processing, connect customers and partners, monitor business processes end-to-end, and manage processes for optimal effectiveness. With WebSphere Business Integration software and WebSphere MQ, you can slash cycle time and costs for a rapid ROI.

For more information - ibm.com/websphere

Your on-ramp to e-business

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ibm.com/websphere/wic

WebSphere Application Server - Express

WNT W2000
WXP LNX



- **Features a tightly integrated and cost-effective solution that includes a simplified Web application server, a development environment based on WebSphere® Studio, and application samples**
- **Minimizes your IT resources requirement with a small footprint and quick, wizard-driven, near-zero administration**
- **Offers migrations to other WebSphere Application Server and WebSphere Studio configurations.**

Supporting the latest specifications for JavaServer Pages, Java servlet, and Web services, WebSphere Application Server - Express V5.0 can help you build dynamic Web sites. You can view information in databases, perform simple updates, and create and use Web services. Its out-of-the-box installation, simplified administration functionality, and easy back-end database linkage make it a direct fit with any mid-market solution.

For more information -
ibm.com/software/webservers/appserv/express

Product No.	Description	Price \$
D520ELL	WebSphere Application Server - Express Processor LIC/SW MAINT 12 MONTHS	2,000
D522LLL	WebSphere Application Server - Express 20 Users LIC/SW MAINT 12 MONTHS	500
D522PLL	WebSphere Application Server - Express Developer LIC/SW MAINT 12 MONTHS	400

Prices shown reflect Passport Advantage savings on licenses and maintenance. Additional savings on volume purchases and trade up options may apply.

*A powerful foundation supporting
e-business on demand*

WebSphere Application Server

WNT W2000 AIX
SUN LNX

- **Offers integrated support for key Web services open standards**
- **Provides full J2EE 1.3 compatibility, including enterprise-ready JMS**
- **Delivers an advanced security-rich and extensible infrastructure**
- **Enhances flexibility through broad cross-platform support and multiple configuration options with a single application server code-base**
- **Enhances productivity with an integrated, open standards-based development environment**
- **Offers distributed workload and caching capabilities to intelligently optimize performance**
- **Delivers a single browser-based administration across all deployment options**
- **Enhances application availability with sophisticated clustering and load-balancing capabilities.**

WebSphere® Application Server V5 helps you maximize your return on investment, contain costs and make your administrative resources more productive. Wherever you are on the path to e-business, WebSphere Application Server's flexible options help you reach your business objectives.

Ideal for single server environments, **WebSphere Application Server V5** is the core Web services J2EE 1.3 certified application server, optimized for ease of administration in a single-server deployment environment. **WebSphere Application Server for Developers** provides a cost-effective means of delivering an application server runtime environment on every developer's desktop.

WebSphere Application Server Network Deployment offers advanced deployment services including clustering, edge services and high availability for distributed configurations.

For more information -
ibm.com/software/webservers/appserv/was

Product No.	Description	Price \$
D5CB9LL	WebSphere Application Server Processor LIC/SW MAINT 12 MONTHS	10,000
D5ALTLL	WebSphere Application Server Network Deployment Processor LIC/SW MAINT 12 MONTHS	15,000
D51JXLL	WebSphere Application Server for Developers (per user) LIC/SW MAINT 12 MONTHS	750

Prices shown reflect Passport Advantage savings on licenses and maintenance. Additional savings on volume purchases and trade up options may apply.

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Next generation application platform

WebSphere Application Server Enterprise

WNT W2000
LNX AIX SUN



■ Features service-oriented architecture for representing software assets

■ Supports integrated J2EE-based workflow

■ Offers advanced transactional connectivity and dynamic application support

■ Optimizes application performance through application profiling, advanced workload management and Web Services support

■ Leverages the latest J2EE-based innovations such as asynchronous beans, startup beans, scheduler service, and object pools

■ Improves developer productivity with pre-built solutions including extended messaging support, cheat sheets, and internationalization service.

WebSphere® Application Server (WAS) Enterprise V5.0, optimized for use with WebSphere Studio Application Developer Integration Edition for Linux and Windows, is a next generation application server designed to:

- Streamline integration tasks by leveraging the power of Web services for building on demand, network-based applications
- Accelerate large-scale application development to deploy a high-performance e-business infrastructure designed to cut costs, build customer loyalty, and promote business agility
- Enable the real-time application flexibility required for on-demand applications.

WebSphere Application Server (WAS) Enterprise V5.0 for Developers provides a "unit test" environment.

For more information -
ibm.com/software/webservers/appserv/enterprise/

Product No.	Description	Price \$
D5ALBLL	WebSphere Application Server Enterprise Edition Processor LIC/SW MAINT 12 MONTHS	30,000
D5AL3LL	WebSphere Application Server Enterprise Edition Development Runtime User LIC/SW MAINT 12 MONTHS	3,750

Prices shown reflect Passport Advantage savings on licenses and maintenance. Additional savings on volume purchases and trade up options may apply.

Enabling 'Application Aware' networks

WebSphere Edge Server for Multiplatforms

WNT LNX AIX SUN

WebSphere® Edge Server Version 2.0 for Multiplatforms (Edge Server) distributes application processing to the edge of the network under centralized administrative and application control.

It opens significant new opportunities for e-business, service providers, and independent software vendors with unparalleled application scalability and user response times. With its tight integration in the WebSphere software family, Edge Server is a world-class vehicle for deploying selected components into the network. Significant new functions and benefits of Version 2 include:

– **Application Offload** shifts the burden of serving composed, personalized, dynamic content from the application server to Edge Servers placed at network edges by offloading back-end servers and peering links.

– **Content Distribution** deploys published Web content to caches and re-hosting servers throughout the network.

– **Enhanced Caching** improves response time by offloading back-end servers and peering links as a forward, reverse or transparent proxy.

– **Enhanced Load Balancing** via new features such as Network Address Translation (NAT), Kernel-level Content-Based Routing (CBR) support and the WebSphere Edge Server Consultant for Cisco CSS switches.

– **Security** is centralized using Tivoli SecureWay Policy Director Plug-in's authorization engine to ensure only authorized users can access cached and non-cached Web resources.

– **Transactional Quality of Service** allocates computing and network resources according to a transaction's business value. It allows customers to prioritize and secure traffic based on user classes and groups; optimizing resource utilization and improving network scalability.

For a complete edge of network solution, WebSphere Edge Server Version 2.0 also includes:

- WebSphere Application Server, Advanced Edition Single Server Version 4.0 (restricted usage license).
- Tivoli Policy Director V3.8 with 100 user licenses.

For more information - ibm.com/websphere/edgeserver

Product No.	Description	Price \$
D5AMYLL	WebSphere Edge Server LIC/SW MAINT 12 MONTHS	6,250

Prices shown include license and software maintenance. Additional savings on volume purchases and trade up options may apply.

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A comprehensive, open development environment to meet the needs of your evolving e-business

WebSphere Studio Product Family

WNT WXP W2000 WMe W98 W95 LNX

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WebSphere® Studio is an open comprehensive development environment for building, testing and deploying dynamic, on demand e-business applications. Founded on open technologies and built on Eclipse, WebSphere Studio provides a flexible, portal-like integration of multi-language, multi-platform and multi-device application development tools that maximize developer productivity, increase ROI and improve overall time to value. Available in a number of configurations, with extensions from IBM and business partners, WebSphere Studio is designed to meet specific development needs of your growing business – from Web interfaces to server-side applications, from individual development to advanced team environments, from Java development to application integration.

WebSphere Studio Homepage Builder is an entry-level Web authoring tool for creating and publishing professional-quality Web sites without the need for HTML knowledge or programming skills. It provides an intuitive WYSIWYG interface, easy-to-use wizards and templates, and support for JavaScript, Dynamic HTML and Cascading Style Sheets. Other key features include:

- Visual page editor with free layout mode
- WebVideo Studio to create innovative movies with ease from your digital video camera or similar photo equipment
- Advanced image effects: rollover, mesh, slide show, photo album
- Web pages for cellular phones and PDAs
- WebArt Designer to create line drawings and sophisticated images
- Images and sounds in a built-in library
- Interactive audio visual tutorial.

WebSphere Studio Device Developer allows developers to combine the power of WebSphere with the convenience of low-cost, portable devices. This development environment helps you build, test and maintain J2ME applications deployed to cellular telephones, PDAs, kiosks and other pervasive devices. Key enabling features include:

- Integrated Java development environment – built-in code assist/completion and generation
- Interface to version control – SmartLinker allows tuning of an application for the target device
- Remote debugger that enables developer to test applications 'live' on the target device

- Powered by Eclipse technology – plugs into any other WebSphere Studio product to form a comprehensive end-to-end application development environment.

WebSphere Studio Site Developer V5.1 is the on-ramp to the WebSphere Studio experience. This robust, easy-to-use development environment helps you build, test and maintain dynamic Web sites, applications and Web services quickly. Key enabling features include:

- Visual Page Designer, Web Site Designer, templates, wizards and built-in source editing and content assist to add HTML, JSP and JavaScript tags for creating Web applications
- Support for WS-I Basic Profile 1.0, JDK 1.3, JSR101 and JSR 109
- Built-in Unit Test environment and easy-to-use Java and JavaScript debugger for building servlet applications
- Integrated Java development environment and Visual Editor for Java
- Struts-based Model View Controller to map out and visually construct Web-based applications.

WebSphere Studio Application Developer V5.1 is the IBM core application development environment for building and maintaining J2EE applications and Web Services applications. Built upon Eclipse V2.1 innovations and written to J2EE specifications, Application Developer provides:

- Concurrent support for J2EE 1.2 and 1.3 projects, plus built-in test environments for WebSphere V4 and V5
- Wizards, a built-in test environment, and automatic test client generation to enable existing assets with Web services
- Profiling and tracing tools to detect, isolate, and fix performance issues early in the development cycle
- Collaborate and share development assets across the team with Rational ClearCase LT
- Best practices, templates, and code generation to optimize and simplify J2EE application development.

WebSphere Studio Application Developer Integration

Edition builds on the functionality offered by WebSphere Studio Application Developer to deliver a next generation, integrated development environment for building, testing, integrating and deploying J2EE applications and Web services. Optimized for use with WebSphere Application Server Enterprise V5.0, it helps you:

- Simplify build-to-integrate tasks with a service-oriented architecture, integrated J2EE-based workflow and advanced transactional connectivity capabilities
- Accelerate large-scale application development with advanced application profiling, deployment management, and a fully integrated development environment
- Enable real-time application flexibility with WebSphere Application Server Enterprise features such as business rules beans and dynamic query service.

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A comprehensive, open development environment to meet the needs of your evolving e-business

WebSphere Studio Product Family (cont.)

WNT WXP W2000 WMe W98 W95 LNX

WebSphere® Studio Enterprise Developer brings the power of J2EE, rapid application development (RAD) and support to diverse enterprise application development teams. With comprehensive development tools to help create, deploy and maintain enterprise Web applications, traditional applications, and linkages between the two, developers from different technical backgrounds can easily participate in e-business projects together. Key features include:

– Powerful integrated development environments for Java, EGL, COBOL and PL/I technology-based components, including language understanding, syntax checking, compiling and unit testing – supported in local and remote environments

- Easy-to-use Web diagram editor that speeds the design, development and generation of J2EE application flow and processing based on Struts, an open-source implementation of the MVC component architecture
- Component generation using EGL in WebSphere and CICS environments, including the ability to generate to or change environments as business and integration needs change
- Powerful integrated tooling to implement Web services and process XML data, including transforming messages in z/OS™, COBOL and Web environments.

For more information - ibm.com/software/ad/adstudio

The WebSphere Studio product family comparison

	WebSphere Studio Homepage Builder	WebSphere Studio Device Developer	WebSphere Studio Site Developer	WebSphere Studio Application Developer	WebSphere Studio Enterprise Developer
Eclipse technology-based user interface		X	X	X	X
Web tools	X		X	X	X
Struts support			X	X	X
Relational database tools			X	X	X
XML tools			X	X	X
Web services			X	X	X
Java tools		X	X	X	X
Team support		X	X	X	X
Integrated unit test environment			X	X	X
Profiling and tracing tools		X		X	X
J2ME tools		X			
J2EE tools			X	X	X
Generated EJB test client				X	X
Rational ClearCase LT (included)				X	X
Java Message Service (JMS) tools					X
Java Connector Architecture (JCA) tools				IE*	X
Visual workflow tools				IE*	X
Service-oriented architecture				IE*	X
Assembler, COBOL, and PL/I tools					X
Creates IBM CICS code, IBM IMS and SQL statements					X
Enterprise Generation Language (EGL) tools					X
Runtime support					
Tomcat		X	X	X	X
WebSphere Application Server - Express			X	X	
WebSphere Application Server			X	X	X
WebSphere Application Server Enterprise				IE	X
WebSphere Micro Environment	X				

* Available only in WebSphere Studio Application Developer Integrated Edition

Product No. Description	Price \$
20P5476 WebSphere Studio Homepage Builder V6.0 for Windows Program Package ^{1,3,4,5,6}	99*
11K8409 WebSphere Homepage Builder V4.0 for Linux Program Pkg ⁷	69*
D51ZDLL WebSphere Studio Site Developer (per user) LIC/SW MAINT 12 MONTHS ^{1,2,3,7}	1,000
D50RSLL WebSphere Studio Application Developer (per user) LIC/SW MAINT 12 MONTHS ^{1,2,3,7}	4,335
D513QLL WebSphere Studio Application Developer Integration Edition (per user) LIC/SW MAINT 12 MONTHS ^{1,2,3,7}	7,279
D51LXLL WebSphere Studio Enterprise Developer (per user) LIC/SW MAINT 12 MONTHS ^{1,2,3}	9,020
D51LULL WebSphere Studio Device Developer (per user) LIC/SW MAINT 12 MONTHS ^{2,3,7}	599

* Call for Passport Advantage savings on licenses and maintenance.

Prices shown include license and software maintenance. Additional savings on volume purchases and trade up options may apply.

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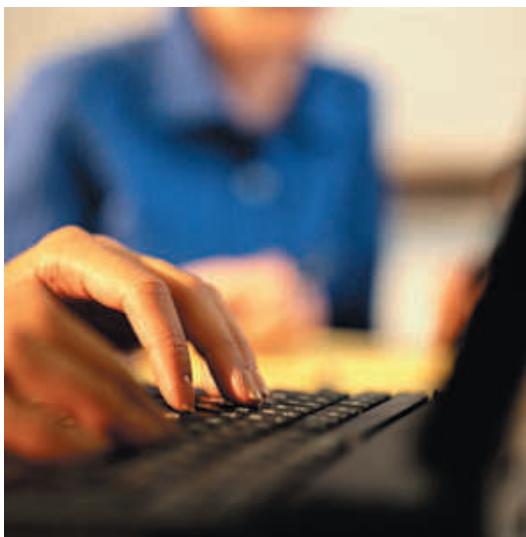
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Powerful, flexible, easy-to-use application development tools

IBM VisualAge Family



Stretch your
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See page 6.



IBM application development tools deliver the industry's broadest support for Java™ J2EE™, Web services, XML, HTML, rich media, site design, voice, wireless and embedded devices. By offering solutions that are enterprise-oriented, open and geared towards business processes, and designed to handle high-volume transactions and integration across many computing systems, IBM is leading the next generation of application development.

A vast array of award-winning, industrial-strength VisualAge® tools and technologies, specifically designed to help you enable e-business solutions for the enterprise are available. They include:

VisualAge C++

VisualAge C++ Professional for AIX, V6.0 software is a highly productive, and powerful development environment for generating and debugging high performance and efficient C and C++ software applications for AIX.

It includes a make-file-based, command-line C++ compiler that supports the latest ANSI/ISO 1998 C++ standard. Both 32-bit and 64-bit architecture and optimization technologies are supported.

VisualAge C++ Professional for AIX also includes a complete implementation of the latest C for AIX compiler that allows you to write both C and C++ applications or to extend an existing C application using C++.

Enhancements in V6.0 offer:

- Improved portability through support in C++ for the OpenMP industry specification
- 32-bit and 64-bit application development
- Enhanced template handling for faster compilations and the generation of smaller objects
- Inclusion of the C for AIX compiler at the latest C99 International Standard
- Support in C++ for the latest approved clarifications of the ISO 1998 C++ Standard
- Partial GNU C/C++ portability support to ease migration of code from GCC
- Generation of highly optimized code for all RS/6000 processors including the PowerPC and POWER4 architectures
- New compiler options and programs
- Inclusion of an enhanced level of the IBM Distributed Debugger which supports the debugging of C99.

VA Smalltalk

Through the pure object-oriented language of Smalltalk you can quickly create portable, scalable, multi-tier business applications.

With the introduction of Web services support, VisualAge Smalltalk V6.0 allows you to take your existing and future Smalltalk assets and create self-contained, modular applications. Using industry-standard protocols such as Simple Object Access Protocol (SOAP) messaging and WebSphere Open Servlet Engine (OSE) plug-in, your valuable, proven Smalltalk code can integrate with anyone, anywhere on the net.

VisualAge Smalltalk lets programmers create and deploy e-business applications that are cross-platform, object-oriented, and provide:

- Deployment support for enterprise Web service solutions for dynamic e-business
- Protection of communication transactions with Secure Socket Layer (SSL) support
- Asynchronous call-out on all deployment platforms
- Server Workbench included with VisualAge Smalltalk
- XML Schema Support
- Enhanced Server Smalltalk Functionality (HTTP 1.1, HTTPS and servlet api)
- Headless execution of OLE
- Ability to rename configuration maps, applications and classes
- New support for Red Hat Linux, Windows® XP and Windows® ME.

For more information - ibm.com/software/ad

Powerful, flexible, easy-to-use application development tools

IBM VisualAge Family (cont.)

VisualAge Generator

IBM VisualAge® Generator is a powerful, high-end, rapid application development environment for building and deploying e-business applications. VisualAge Generator delivers high-volume transaction processing in multi-tier, multi-platform e-business environments, masking the complexity of data and communications connections. Developers with little or no Java expertise can implement end-to-end Java e-business systems. OO and Java developers can implement systems running on traditional transactional platforms, such as CICS® or IMS, and accessing legacy data, such as DL/I or VSAM, with no need to become mainframe experts.

VisualAge Generator includes the following features:

- WebSphere rapid application creation: provides a fast path to creating scalable e-business systems using VisualAge Generator and WebSphere
- MQ Series® rapid application creation: speeds the deployment of B2B (business-to-business) applications
- Integration with VisualAge for Java: VisualAge Generator is fully integrated with VisualAge for Java providing a Java-based development and test environment for the creation of Java GUIs, applets and servlets, as well as new transactional server programs
- Enterprise Java Bean support: VisualAge Generator server programs can be invoked from Java clients via an Enterprise JavaBean component (session bean)
- Java Server generation: generates Java server code for Windows 2000® and Windows NT®
- DL/I, VSAM, and OS/400® file support: Speeds the development of systems accessing legacy data.

VisualAge COBOL

VisualAge® COBOL for Windows NT™ Version 3.0 is a powerful COBOL development tool for the Windows NT environment that utilizes the popular COBOL language with object-oriented extensions and an application development environment that includes compiler, runtime, visual builder, debugging, LPEX editor, performance analyzer, Workframe, and assistant tools. Its remote edit/compile/debug development capability allows you to work with host OS/390 applications from your workstation without duplicating and managing host environments on the workstation.

VA COBOL is designed to increase developer productivity, particularly when creating and maintaining host applications from the workstation, through a variety of function and usability enhancements, including:

- OS/390® connectivity for remote edit/compile/debug development of host applications
- Visual Builder development, redeveloper tools, and cross-platform development
- Improved on-screen assistance, many customization options, and additional buttons in the Workframe project tool
- New, common debugger for workstation and remote OS/390 application debugging
- Support for development of COBOL applications with DB2® OS/390 stored procedures from the workstation
- New online help viewable with your favorite Web browser.

For more information - ibm.com/software/ad

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Product No.	Description	Price \$
D5AHLLL	VisualAge C++ Professional for AIX User LIC/SW MAINT 12 MONTHS	3,031
D5AKELL	VisualAge Smalltalk Enterprise, LIC/SW MAINT 12 MONTHS	7,431
D5AIALL	VisualAge Generator Developer, User LIC/SW MAINT 12 MONTHS	9,020
D5AJLLL	VisualAge Generator Server LIC/SW MAINT 12 MONTHS	3,043
D5AISLL	VisualAge Generator Templates LIC/SW MAINT 12 MONTHS	18,384
D5A1LLL	VisualAge Cobol Enterprise User LIC/SW MAINT 12 MONTHS	3,645

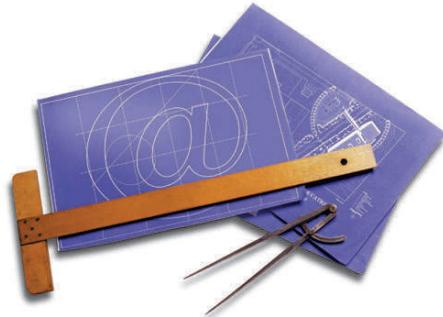
Prices shown include license and software maintenance. Additional savings on volume purchases and trade up options may apply.

Traditional and Web Services application and development tools

VisualAge Enterprise Suite

WNT W2000

VALIDATE YOUR WebSphere ENVIRONMENT! IBM Global Services can help test your e-business Web infrastructure. See page 47.



This suite of application development tools allows you to quickly move to e-business and simplify your application development software purchasing and administration. It can:

- **Optimize I/T expenditures by helping eliminate shelfware and multiple tools**
- **Help reduce administration costs associated with tracking software use**
- **Gain productivity across the enterprise by taking advantage of the latest advances in application development tools**
- **Increase developer flexibility with a suite of tools that allows developers to use the right tool for traditional or e-business based projects**
- **Increase reusability and control of software with standardized development methodologies and tools.**

IBM VisualAge® Enterprise Suite is a bundle of Windows and Windows NT development products that offers an end-to-end set of tools available for one single price. Each licensed developer in your organization is entitled to use any of the products in the suite.

- WebSphere Studio Application Developer Integration Edition for Windows V4.1
- VisualAge Generator Developer V4.5
- VisualAge COBOL for Windows NT V3
- VisualAge PL/I V2.1
- Versata Studio Client V5.5 (a product of Versata, Inc., an IBM Business Partner).

For more information - ibm.com/software/ad/vaes

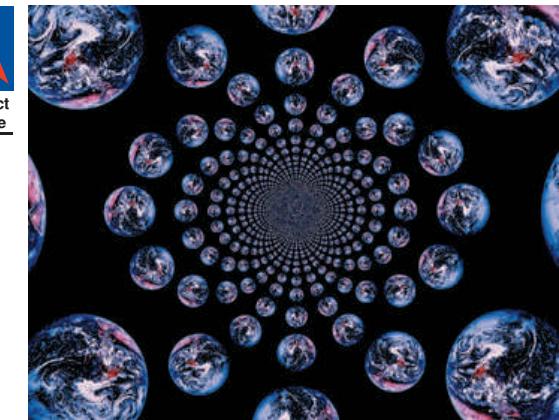
Product No.	Description	Price \$
D5AI2LL	VisualAge Enterprise Suite USER LIC/SW MAINT 12 MONTHS	6,829

Price shown includes license and software maintenance. Additional savings on volume purchases and trade up options may apply.

Fast and cost-effective deployment of portals

WebSphere Portal - Express

W2000 LNX



- **Creates portal pages that are easily customizable by end users to match their needs**
- **Enables user authentication and single sign-on across multiple applications**
- **Provides integrated document management capabilities and an integrated database**
- **Delivers easy-to-use interfaces for performing portal administration tasks**

■ Offers team collaboration features as option.

WebSphere Portal - Express V5.0 lets you easily deploy sophisticated portal solutions that fit within small and midsize businesses' budgets. It provides a single unified workspace in which your employees, trading partners, and customers can easily find and use the applications and information that they need. A choice of user or processor-based licensing options is available for intranet-, extranet- or Internet-based portals. **WebSphere Portal - Express** is the base offering and contains the customizable portal, an integrated document manager, a selection of portlets, the portlet toolkit and WebSphere Application Server for running the portal. **WebSphere Portal - Express Plus** adds in team collaboration features including instant messaging, people online awareness and virtual team rooms.

For more information -
ibm.com/software/webservers/portalexpress

Product No.	Description	Price \$
D529GLL	WebSphere Portal - Express 20 users LIC/SW MAINT 12 MONTHS	1,700
D529JLL	WebSphere Portal - Express Plus 20 users LIC/SW MAINT 12 MONTHS	2,700
D51RKLL	WebSphere Portal - Express Processor LIC/SW MAINT 12 MONTHS	33,300
D51RELL	WebSphere Portal - Express Plus Processor LIC/SW MAINT 12 MONTHS	53,080

Prices shown include license and software maintenance. Additional savings on volume purchases and trade up options may apply.

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Develop, customize, deploy and maintain portals of any size

WebSphere Portal for Multiplatforms

W2000 AIX LNX SUN



- **Helps build scalable and reliable B2E, B2B and B2C portals**
- **Delivers a single point of personalized interaction with applications, content, processes, and people for a unified user experience**
- **Gives users a content publishing, document management and personalization interface to create and target portal content in one step**
- **Allows users to view, search, create, convert, and edit basic documents, spreadsheets, and presentations from within the portal**
- **Offers numerous portlets, including calendars, e-mail, syndicated news and industry applications**
- **Provides integrated Web services for fast deployment of portlets**
- **Enables quick portal integration with backend systems via portlet builders**
- **Built on WebSphere Application Server V5 platform, using J2EE standards to optimize performance.**

WebSphere Portal for Multiplatforms V5.0 delivers a unified IBM portal strategy, bringing together the software components you need to help you securely deliver tailored content and collaborative portal experience to employees, suppliers and customers. It provides services that include single sign-on, a security-rich environment, Web content publishing, search, personalization, advanced collaboration, enterprise application integration, support for mobile devices and business process integration.

WebSphere Portal consists of two packaged offerings to meet the needs of all enterprises – from small to large:

WebSphere Portal Enable is the basic offering and delivers core portal capabilities to let you quickly build scalable portals. It provides common services, including:

- Connectivity and integration to allow access to external newsfeed, enterprise or Web data and applications
- Presentation and administration to enable computing desktop customization to match work patterns and needs
- Click-to-action technology for portlet-to-portlet communication and action.

New capabilities delivered in V5.0 include:

- Customized content publishing and document management to improve the currency of portal content and the value of files shared by portal users
- WebSphere Portal Productivity Components to allow the user to view, create, convert and edit basic documents, spreadsheets and presentation files from portal interface
- Portal Application Integrator to create portlets for interacting with EIS, relational and Domino databases
- Redesigned installation procedure and improved administration portlets.

WebSphere Portal Extend offering includes all the robust features of WebSphere Portal Enable and introduces collaboration capabilities, enterprise search functions and portal usage analysis. New capabilities in V5.0 include:

- An online company directory with people awareness
- Information sharing among portlets with integrated instant messaging
- Customizable online workplaces
- An enhanced search engine.

WebSphere Portal for Multiplatforms lets you achieve:

- Rapid response to changes in the marketplace using a wide range of integrated modular capabilities
- Higher degree of user satisfaction with personalized, dynamic, and reliable portal access
- Revenue enhancement by providing the human interface for collaborative e-business on demand
- Acceleration of time to value by providing timely responses to customers, business partners and employees
- Reduction of business costs by improving employee productivity and reusing existing assets
- Fast return on investment with out-of-the-box utilization.

For more information - ibm.com/software/genservers/portal

Product No. Description	Price \$
D50TLL WebSphere Portal Enable offering LIC/SW MAINT 12 MONTHS - (per processor)	89,186
D50TNLL WebSphere Portal Extend offering LIC/SW MAINT 12 MONTHS - (per processor)	143,689

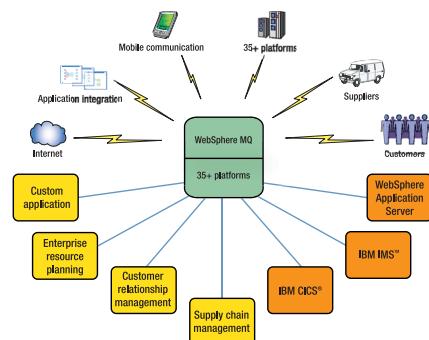
Prices shown include license and software maintenance. Additional savings on volume purchases and trade up options may apply.

Enterprise application integration

**EASIER
WebSphere MQ
ACQUISITION!**
Licenses are
now available
on a per-
processor basis
instead of the
per-capacity-
unit pricing
model
previously used.

WebSphere MQ

WNT WXP W2000 LNX
AIX HP-UX SUN



- **Supports heterogenous any-to-any connectivity from desktop to mainframe (over 35 platforms supported)**
- **Provides a comprehensive family of APIs designed to make coding for any messaging task straight forward**
- **Ensures once-only delivery of important messages.**

WebSphere MQ (formerly MQSeries®), the core of the MQ family, provides application connectivity. It can be used alone or with other members of the family to deliver an end-to-end business integration solution.

A major new release of WebSphere MQ, Version 5.3, delivers enhancements that simplify programming, harmonize features across platforms, and improve security and performance. They include:

- Comprehensive security options provided by Secure Sockets Layer (SSL) support
- Extended Java Message Service (JMS) support
- Increased product flexibility by the API crossing exit
- Enhanced performance and scalability, both for the MQI (Message Queuing Interface) and for JMS (Java Message Service) with publish/subscribe users
- Enhanced functions allow easier system management of MQ clusters.

For more information - ibm.com/software/integration/wmq

Product No.	Description	Price \$
D523ZLL	WebSphere MQ Processor LIC/SW MAINT 12 MONTHS	5,574

Price shown reflects Passport Advantage savings on licenses and maintenance. This is a minimum price; the price may vary depending on the processor level of the system running the Program Package.

Proven on-ramp for application-to-application connectivity

WebSphere MQ - Express

WXP W2003 W2000



- **Reduces the need for complex communications programming**
- **Easy to install, easy to use, and easy to manage**
- **Assured delivery of messages**
- **Asynchronous communications to improve system availability and throughput**
- **Security through the Secure Sockets Layer (SSL) protocol**
- **Tools for managing clusters of systems**
- **Animated Product Tour describes function and capabilities**
- **File Transfer utility provides immediate productivity.**

Designed to meet the needs of mid-market businesses, WebSphere MQ - Express V5.3 combines the power and function of industry-leading business integration middleware with a smaller investment for a low-risk, affordable entry to e-business. WebSphere MQ - Express connects different applications, running on different systems, so that they exchange information as if they had been designed to do so from the start. It takes care of network interfaces, deals with communication protocols, and assures "once-only" delivery. With WebSphere MQ - Express, you can concentrate on business logic, cut development time and enable design and code reuse. Compatible with WebSphere MQ on more than 35 platforms as well as a portfolio of adapters and product extensions, WebSphere MQ - Express lets you seamlessly grow your software as your business needs evolve.

For more information - ibm.com/webspheremq/express

Product No.	Description	Price \$
D52VFL	WebSphere MQ - Express (per processor) LIC/SW MAINT 12 MONTHS	4,180

Price shown includes license and software maintenance. Additional savings on volume purchases and trade up options may apply.

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Achieve business integration

WebSphere MQ Workflow

WNT W2000 AIX
HP-UX SUN



- **Delivers model-driven e-business process automation and tracking**
- **Manages workflow and processes involving systems or systems and people**
- **Spans application and organization boundaries**
- **Reduces work hand-off and thus cycle time**
- **Supports transactional and universal integration based on MQSeries® and XML: Nothing gets lost nor executed twice**
- **Offers ultimate performance and scalability.**

IBM WebSphere® MQ Workflow V3.4, formerly IBM MQSeries Workflow, continues with the support of long-running business process workflows as they interact with systems and people. It provides integration processes with rich support for human interactions and deep application connectivity leveraging WebSphere MQ, XML, J2EE, Web Services, and WebSphere Business Integration software.

WebSphere MQ Workflow is built to a service-oriented architecture based on standards. It is the business process workflow engine at the heart of Business Integration, supporting e-business customer initiatives for BPM, BAM, EAI, B2B, Web Services and Portal Integration. New capabilities in V3.4 include portal client, LPAD directory support, WSDL and JSP support, Business Activity Monitoring (BAM) support, performance improvements, and per-processor licensing.

For more information - ibm.com/software/integration/wmqwf

Product No.	Description	Price \$
D524LLL	IBM WebSphere MQ Workflow Processor LIC/SW MAINT 12 MONTHS	85,853

Price shown reflects Passport Advantage savings on licenses and maintenance. Additional savings on volume purchases and trade up options may apply.

Reliable messaging for mobile users

WebSphere MQ Everyplace

WNT W2000 W98 WMe W95
LNX AIX HP-UX SUN



WebSphere® MQ Everyplace (formerly MQSeries® Everyplace) brings reliable communications to an unpredictable world.

- **Extend an MQ network to new platforms and devices**
- **Exploit the WebSphere MQ Integrator by routing transactions from stores and checkouts into the Integrator**
- **Get the benefits of assured once-only delivery, with high-level security, over fragile and unmanaged communication networks**
- **Use WebSphere MQ Everyplace to provide "earliest possible" delivery of key business data.**

WebSphere MQ Everyplace, V2.0 extends the WebSphere MQ family, the infrastructure for connecting servers and mainframes in e-business solutions, to mobile platforms and devices, and retail systems. WebSphere MQ Everyplace complements the WebSphere MQ base product by providing robust messaging capability on small and mobile devices, as well as providing a direct link to WebSphere MQ Integrator – and enables e-Business messaging for the WebSphere Everyplace product set.

This release provides native support for C implementation on Windows PocketPC to extend the programming choice in the handheld market. It also supports point-to-point messaging via the Java Message Service (JMS), and extends Java programming to smaller devices that can run Java Micro Edition (J2ME).

For more information - ibm.com/software/integration/wmqe

Product No.

Call for part numbers and pricing.

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Integrate, automate, and manage business processes

WebSphere Business Integration Server

WNT W2000 AIX SUN HP-UX

VALIDATE
YOUR
WebSphere
ENVIRONMENT!
IBM Global
Services can
help you test
your e-business
Web
infrastructure.
See page 47.



WebSphere® Business Integration Server V4.2 (previously released as WebSphere Business Integration V4.1) is a comprehensive business integration platform that combines process integration, application connectivity, business-to-business interaction, and workflow capabilities in a single, cost-effective product.

WebSphere Business Integration Server is designed to:

- Support hub-and-spoke technologies that greatly reduce the complexity of maintenance
- Leverage the concept of a common business object model within the integration middleware
- Use XML technology allowing artifacts and common business objects to be shared at runtime.

WebSphere Business Integration Server is comprised of the following components:

WebSphere InterChange Server V4.2 (the follow-on release of IBM CrossWorlds V4.1.1) – coordinates business process activities that extend across multiple applications – geographically local or remote, internal or external to the organization.

WebSphere MQ Workflow V3.4 (see page 33) –

coordinates long-lived activities that span multiple systems and groups of workforce. Avoid bottlenecks by automating and managing task list assignment, rather than ad-hoc e-mails to individuals.

WebSphere MQ Integrator Broker for Multiplatforms V2.1 (see page 37 – WebSphere Business Integration Message Broker) – coordinates information flows by transformation, intelligent routing and enrichment of in-flight messages across multiple, disparate business systems.

WebSphere Business Integration Toolset V4.2 (the follow-on release to IBM CrossWorlds Full Toolkit) – provides comprehensive tooling to generate the artifacts required for an enterprise integration solution, including process collaborations, workflows, message flows and business objects.

New features of V4.2 include:

- Feature and performance enhancements to all components
- Adoption of the open-source Eclipse Framework
- Enhanced Web services, workforce management and national language support
- Additional platform support.

A broad range of optional complementary products are available to accelerate the delivery of WebSphere Business Integration Server solutions. These include WebSphere Business Integration Adapters (see page 35), Business Integration Collaborations, and industry-specific customizations (see page 37).

With WebSphere Business Integration Server, you can quickly integrate new or existing applications or systems on diverse platforms, or create and deploy new business processes rapidly. WebSphere Business Integration Server allows you to start small, scale fast, and implement a reusable open integration infrastructure that spans departmental initiatives and evolves to become the enterprise backbone supporting the whole enterprise.

For more information - ibm.com/software/integration/wbiserver

Product No.	Description	Price \$
D526ULL	WebSphere Business Integration Server (per processor) LIC/SW MAINT 12 MONTHS	153,290

Prices shown include license and software maintenance. Additional savings on volume purchases and trade up options may apply.

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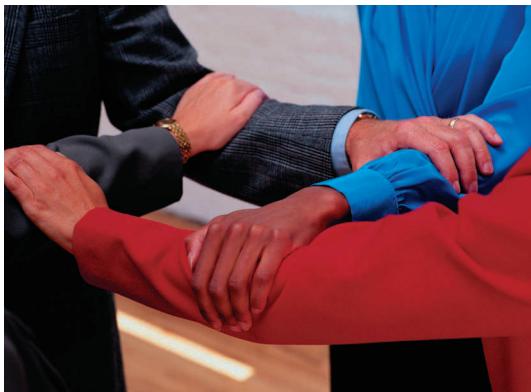
Proven accelerators to deliver more effective results – faster and easier

WebSphere Business Integration Solutions

WNT W2000 AIX SUN HP-UX



Product Update



■ Offers a wide-variety of ready-made industry-specific and cross-industry templates that enable and accelerate business process integration

■ Can be mixed and matched, and customized to meet your needs.

Running on WebSphere® Business Integration Server, WebSphere Business Integration Collaborations – a portfolio of business process templates – helps you accelerate the integration of your business processes that span multiple applications. When combined with the application-savvy WebSphere Business Integration Adapters, they provide a complete solution for a range of business issues.

Industry-specific solutions that are designed to address the unique and specialized needs of a variety of sectors include:

– **WebSphere Business Integration for Automotive** helps improve your supply chain management coordination between tier 1 and downstream suppliers, manage complex relationships associated with auto-component design innovation, and implement process management to support greater volume of time-critical components, increasing complexity of product data flow, and shorter order fulfillment times.

– **WebSphere Business Integration for Banking Solutions** enables retail and corporate banking organizations to increase cross-selling and customer service across all retail channels, manage payments for improved profit, reduce time and cost for loan origination, and comply with the Basel II Capital Accord and USA Patriot Act.

– **WebSphere Business Integration for Chemical and Petroleum** enables you to address business challenges related to supply chain and lifecycle management processes. It helps reduce crude oil filter costs, accelerate oil projects with reduced risk, enhance petroleum retail profitability, lower working capital requirements, increase asset availability and lower cost of maintenance.

– **WebSphere Business Integration for Electronics** provides an integration platform to streamline production. It

allows you to achieve integration throughout your design, and build and support processes with collaborative templates. It also supports real-time demand planning, corresponding inventory planning, and global collaboration.

– **WebSphere Business Integration for Energy and Utilities**

connects the systems and applications within an energy firm together and extends business processes to trading partners, suppliers and customers, resulting in improved customer services, reduced operation and maintenance costs.

– **WebSphere Business Integration for Financial Markets** enables increased automation and higher rates of straight-through processing (STP), resulting in reduced costs and operational risks.

– **WebSphere Business Integration for Healthcare**

facilitates the integration and management of business processes for the healthcare and insurance industries to meet the HIPPA guidelines. It helps meet new standards mandated by law, connect disparate payer and provider system networks, and reduce claims processing costs.

– **WebSphere Business Integration for Insurance**

provides sophisticated business object integration and management capabilities to extend and integrate claims processing, policy administration, and policy underwriting processes for both the life and non-life sectors.

– **WebSphere Business Integration for Life Sciences and Pharmaceuticals** helps you achieve an end-to-end value chain integration, visibility and collaboration to meet industry challenges, including increased merger and acquisitions, shrinking drug pipelines, looming drug patent lapses, and rising research and clinical development costs.

– **WebSphere Business Integration for Retail Distribution** enables a single view of your business, customers and channels. It delivers retailer- and supplier-specific solutions comprised of industry-specific business process templates, an integration hub, and a portfolio of adapters to leading applications.

– **WebSphere Business Integration for Telecom** provides sophisticated Business Support Systems/Operational Support Systems integration capabilities using open standards. It delivers a fully integrated, 24x7 application environment, enables end-to-end DSP, Wireless and IDC provisioning, and integrates customer care and billing.

In addition to the industry-specific solutions, collaborations are also available to handle crucial processes common to many organizations.

For more information - ibm.com/software/integration/wbisolutions

Product No.

Call for part numbers and pricing.

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Item synchronization through UCCnet's GLOBALregistry

WebSphere Business Integration Express and Express Plus for Item Synchronization

W2000 LNX



Synchronize your product data with UCCNet's GLOBALregistry

- Integrate with existing applications and leverage existing IT skills
- Scalable to grow with changing item management requirements
- Offers high degree of integrated function, minimizing administration requirements
- Provides a business integration framework.

WebSphere Business Integration Express for Item Synchronization is ideal for midmarket suppliers with simple product data management systems and requirements, and can execute the standard process without customization. Key features of V4.3 include:

- Multi-threaded and concurrent business logic execution with data integrity
- A graphical interface to manage your system
- A range of data input options using selected adapters
- Ability to synchronize up to 1,000 catalog entries (GTINs) with the option to purchase additional GTINs in sets of 1,000.

The **Express Plus** solution further extends the offering with:

- Rapid ERP system integration with the mySAP.com adapter
- Tools to create additional process workflows
- Synchronization of up to 5,000 GTINs with option to purchase additional GTINs in sets of 5,000.

For more information - ibm.com/websphere/wbiitemsync/express/

Product No.	Description	Price \$
D52W8LL	WBI Express for Item Synchronization (per server) LIC/SW MAINT 12 MONTHS	4,000
D52WDLL	WBI Express for Item Synchronization (per 1000 GTINs) LIC/SW MAINT 12 MONTHS	3,000
D52WFLL	WBI Express Plus for Item Synchronization (per server) LIC/SW MAINT 12 MONTHS	25,000
D52WHLL	WBI Express Plus for Item Synchronization (per 5000 GTINs) LIC/SW MAINT 12 MONTHS	10,000

Prices shown include license and software maintenance. Additional savings on volume purchases and trade up options may apply.

Continually optimize how you do business

WebSphere Business Integration Modeler and Monitor **WXP WNT W2000 W98 AIX SUN**



■ Provides comprehensive and user-friendly modeling and collaboration capabilities for both Line-of-Business and IT personnel

■ Facilitates seamless integration of modeling, workflow building, and simulation features

■ Provides repository-based simulation, re-design reports and real-time performance measures

■ Enables Internet-based workflow monitoring through standard browser interface.

WebSphere® Business Integration Modeler and Monitor V4.2.4 helps you model, simulate, analyze, automate, optimize and monitor complex business processes quickly and effectively. It consists of four products which may be purchased and deployed together or separately:

– **WebSphere Business Integration Modeler** – a bundle of WebSphere Business Integration Workbench Server and 10 WebSphere Business Integration Workbench licenses

– **WebSphere Business Integration Workbench Server** – provides repository management and Web publishing capabilities to speed collaboration and access to process models, policies, and business rules

– **WebSphere Business Integration Workbench** – an easy-to-use process modeling and simulation tool for business managers and application developers. Its functionality extends beyond many business process modeling efforts to include analysis, redesign and workflow automation

– **WebSphere Business Integration Workbench Entry Edition** – an easy-to-use tool providing process modeling, validation and simulation at an affordable price

– **WebSphere Business Integration Monitor** – enables ongoing analysis of actual real-time process execution data generated by IBM WebSphere MQ Workflow, WebSphere Business Integration Message Broker and WebSphere MQ Integration Broker to optimize business processes.

For more information - ibm.com/software/integration/manage

Product No.	Description	Price \$
D5286LL	WebSphere Business Integration Modeler (per processor) LIC/SW MAINT 12 MONTHS	85,855
D527WLL	WebSphere Business Integration Workbench Server (per processor) LIC/SW MAINT 12 MONTHS	52,645
D527TLL	WebSphere Business Integration Workbench (per user) LIC/SW MAINT 12 MONTHS	6,970
D52X1LL	WebSphere Business Integration Workbench Entry Edition (per user) LIC/SW MAINT 12 MONTHS	1,250
D527QLL	WebSphere Business Integration Monitor (per processor) LIC/SW MAINT 12 MONTHS	85,855

Prices shown include license and software maintenance. Additional savings on volume purchases and trade up options may apply.

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Event driven integration without bounds

WebSphere Business Integration Event Broker

W2000 WXP AIX LNX HP-UX SUN



Product Update

- **Distributes business event information in realtime from disparate sources through a network of access points or a centralized broker**
- **Extends WebSphere MQ messaging transport with other protocols, including mobile, realtime, enterprise, telemetry and multicast endpoints**
- **Allows high-performance content and topic-based publish and subscribe message routing**
- **Comes bundled with the Message Broker Toolkit for WebSphere Studio**
- **Supports upgrading to WebSphere Business Integration Message Broker.**

WebSphere Business Integration Event Broker V5.0 (formerly WebSphere MQ Event Broker) lets you rapidly build a flexible, extensible, and secure real-time event-driven infrastructure that leverages applications and devices across heterogeneous platforms. It routes in-flight business information to people and applications, regardless of device or location. WebSphere Business Integration Event Broker provides a flexible entry point into integration, allowing you to start simple and grow, and leverage existing investments in skills and other assets.

For any WebSphere MQ Transport, you can extend the licensed end-point limits by purchasing a WebSphere Business Integration Connection Pack.

INSTALLATION
HELP FOR
WebSphere
COMMERCE!

IBM Global
Services can
help you
customize,
configure and
implement your
WebSphere
software to
meet your
needs.
See page 47.

For more information -
ibm.com/software/integration/wbieventbroker

Product No.	Description	Price \$
D5242LL	WebSphere MQ Event Broker Processor LIC/SW MAINT 12 MONTHS	37,000
D52A7LL	WebSphere Business Integration Connection Pack per connection LIC/SW MAINT 12 MONTHS	14,000

Prices shown include license and software maintenance. Additional savings on volume purchases and trade up options may apply.

Transform, route and enrich in-flight information

WebSphere Business Integration Message Broker

WNT W2000 WXP AIX LNX HP-UX SUN



Product Update

- **Distributes business event information in realtime from disparate sources through a network of access points or a centralized broker**
- **Includes the functionality of WebSphere Business Integration Event Broker**
- **Integrates with databases to perform message logging, data merge, and database update functions**
- **Simplifies integration of existing applications with Web Services by transforming and routing SOAP messages, and logging Web Services transactions.**

WebSphere Business Integration Message Broker V5.0 (formerly WebSphere MQ Integrator Broker) builds on

WebSphere Business Integration Event Broker to provide a further level of intermediation between applications that use different message structures and formats. It supports any-to-any transformation, database integration, and Web Services.

Also available as **WebSphere Business Integration Message Broker with Rules and Formatter Extension**, the capabilities of the Message Broker is extended to offer continuity, compatibility and investment protection to existing WebSphere MQ Integrator V2.1 customers who require IBM Rules and Formatter nodes.

For any WebSphere MQ Transport, you can extend the licensed end-point limits by purchasing a WebSphere Business Integration Connection Pack.

For more information -
ibm.com/software/integration/wbimessagebroker

Product No.	Description	Price \$
D5245LL	WebSphere Business Integration Message Broker Processor Processor LIC/SW MAINT 12 MONTHS	97,547
D5249LL	WebSphere Business Integration Message Broker with Rules and Formatter Extension Processor LIC/SW MAINT 12 MONTHS	111,483
D52A7LL	WebSphere Business Integration Connection Pack per connection LIC/SW MAINT 12 MONTHS	14,000

Prices shown include license and software maintenance. Additional savings on volume purchases and trade up options may apply.

A community integration solution

EASIER
WebSphere MQ
ACQUISITION!
Licenses are
now available
on a per-
processor basis
instead of the
per-capacity-
unit pricing
model
previously
used.

WebSphere Business Integration Connect

W2000 LNX
AIX SUN



Product Update



- **Enables a secure, cost-effective, and reliable exchange of information between companies of any sizes and their trading partners using a wide range of protocols and communication standards**
- **Provides an easy-to-use graphical interface**
- **Supports multiple security standards.**

WebSphere Business Integration Connect V4.2 provides a flexible, scalable and open-standards-based solution for real-time integration of B2B data and visibility into multi-tier, community-wide processes. It is available in three editions:

- **Express** – for quick, simple and affordable integration with a small number of partners
- **Advanced** – for a full-function B2B gateway to connect to a growing number of partners
- **Enterprise** – for benefits similar to the Advanced Edition but priced to manage larger trading communities.

New features in V4.2 include interoperability with the WebSphere Business Integration platform, embedded WebSphere Application Server runtime, IntallShield installation, user-based access rights, document viewers for multiple document protocols, pre-testing of community integration, and RosettaNet predefined processes.

For more information - ibm.com/software/integration/wbiconnect

Product No.	Description	Price \$
D533QLL	WebSphere Business Integration Connect - Express (per connection) LIC/SW MAINT 12 MONTHS	625
D521NLL	WebSphere Business Integration Connect - Express (per processor) LIC/SW MAINT 12 MONTHS	625
D52G1LL	WebSphere Business Integration Connect Advanced Edition (per connection) LIC/SW MAINT 12 MONTHS	2,500
D52G3LL	WebSphere Business Integration Connect Advanced Edition (per processor) LIC/SW MAINT 12 MONTHS	43,750
D51LLL	WebSphere Business Integration Connect Enterprise Edition (per processor) LIC/SW MAINT 12 MONTHS	187,500

Prices shown include license and software maintenance. Additional savings on volume purchases and trade up options may apply.

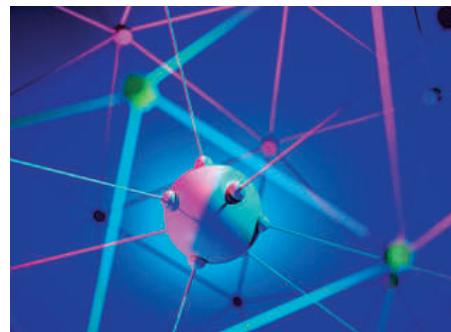
Data and application integration within one coherent approach

WebSphere Business Integration Adapters

WNT W2000
AIX HP-UX SUN



Product Update



■ **Link your data, technologies, packaged applications, and legacy systems – and connect to trading partners**

■ **Expand the portfolio to include more than 50 adapters in support of 12 industries**

■ **Run on an open-standards-based common framework allowing speed and ease of deployment**

■ **Feature a stand-alone adapter architecture which supports WebSphere® Business Integration Server, WebSphere MQ Integrator, or WebSphere MQ Integrator Broker, WebSphere Interchange Server and WebSphere Business Integration Connect**

■ **Connect straight out of the box to WebSphere Application Server Enterprise and WebSphere Studio Application Developer Integration Edition**

■ **Provide object discovery tools, event management functions, bi-directional and meta-data driven connectivity**

■ **Includes tooling for building new adapters.**

WebSphere Business Integration Adapters V2.3.1 allow you to quickly and easily create integrated processes that exchange information between ERP, HR, CRM and supply chain systems. These pre-built, stand-alone solutions offer you simpler implementation and configuration, greater interoperability, system flexibility and change protection. They can help you protect your investment, keep your business agile, speed your time to market and hone your competitive edge.

For more information -
ibm.com/software/integration/wbiadapters

Product No.

Call for part numbers and pricing

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call **800 426-2255**

Enhance your EDI systems

WebSphere Data Interchange

W2000 AIX



- Integrates EDI systems with business processes and applications
- Optimizes any-to-any translation of EDI, XML and application data formats
- Complies with data standards for EDI, including HIPAA, HL7 and other industry formats
- Manages transactions securely and efficiently with assured WebSphere® MQ messaging
- Provides GUI client for trading partner management, setting up profiles and mapping
- Offers easy-to-use, configurable interface to enable communication with trading partners via both VANs and Internet B2B gateways.

WebSphere Data Interchange (WDI) V3.2 is a robust data translation and transaction management solution that can grow with your EDI or electronic commerce needs. It supports the mandatory requirements for EDI trading partner exchanges such as auditing and data content validation, as well as providing trading partner profiles, enveloping, syntactic validation and functional acknowledgment. WDI can operate as a stand-alone EDI systems, or can be integrated with other enterprise applications, either through its WebSphere MQ-based interface or through its own API.

With WDI, you can leverage and enhance existing investments in your EDI systems, VAN services and partner relationships, eliminate manual processing steps, and reduce cycle time.

For more information - ibm.com/software/integration/wdi

Product No.	Description	Price \$
D51STLL	WebSphere Data Interchange (per processor) LIC/SW MAINT 12 MONTHS	89,186

Prices shown include license and software maintenance. Additional savings on volume purchases and trade up options may apply.

A single solution for all your host access needs

IBM Host Access Client Package

WXP WS2003 WMe WNT
W2000 W98 W95 LNX AIX
HP-UX SUN OS2 NET MAC



- Bundles IBM Personal Communications and WebSphere Host On-Demand
- Provides access to applications and data residing on iSeries (5250), zSeries (3270), and DEC/UNIX virtual terminal (VT) hosts for traditional Web users in SNA and intranet environments
- Supports thin client technology to distribute host access capability to remote users, plus users in intranet and extranet environments.

The two components of IBM Host Access Client Package V4 allow you to manage your migration to Web technologies at your own pace.

IBM Personal Communications is a key client component of IBM's Host Integration portfolio for LAN, WAN, and remote access and connectivity (RAC). It provides access to applications and data whether residing on mid-range or enterprise servers (mainframes). Additionally, it can give you the optimal platform for traditional access to data and applications on the host and includes new tools to help transform your traditional business into an e-business.

IBM WebSphere Host On-Demand provides easy, cost-effective host access with security to users in intranet- and extranet-based environments. It can enable you to extend the reach of your host applications and data to new users, including business partners, suppliers, and sales personnel.

With one package from one vendor at one price per user, you can support your diverse user community and eliminate your need to work with multiple vendors. With tools that you use today, you can start to build your e-business applications of the future. IBM Host Access Client Package for iSeries is the solution for all of your iSeries host connection needs. To access multiple backend host systems, IBM Host Access Client Package for Multiplatforms is a more appropriate solution.

For more information - ibm.com/software/network/hostaccess

Product No.	Description	Price \$
D5BGCLL	IBM Host Access Client Package for Multiplatforms (registered user) LIC/SW MAINT 12 MONTHS	231
D50HWLL	IBM Host Access Client for iSeries (registered user) LIC/SW MAINT 12 MONTHS	166

Prices shown include license and software maintenance. Additional savings on volume purchases and trade up options may apply.

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Leverage your legacy data with new e-business solutions

WebSphere Host Integration Solution

WNT W2000 WXP WS2003 WMe W98 W95
AIX LNX SUN HP-UX OS2 NET MAC



Product Update



- **Features latest level of IBM communication software in a single offering**
- **Provides a fast, easy and cost-effective way to take host applications and data to the Web**
- **Requires no changes to host applications**
- **Requires no scripting or coding**
- **Addresses all aspects of an e-business network environment: SNA, TCP/IP, intranet, extranet and the Internet**
- **Delivers technology uniquely designed to support specific types of users**
- **Can enable platform and technology migrations without additional purchases**
- **Supports a common development infrastructure and the ability to create and deploy host access e-business applications in a WebSphere software platform environment**
- **Provides security for your e-business transactions.**

WebSphere Host Integration Solution V4 offers industry-leading host access solutions with unmatched flexibility for multiple environments in one total software offering. It features single pricing structure with one fixed price per registered or concurrent user. You can choose client and server software that best meets your needs, independent of the platform, network, connectivity, or host system. It consists of:

- IBM Communications Servers (see page 42)
- WebSphere Application Server (see page 24)
- WebSphere Host Publisher (see page 41)
- WebSphere Host On-Demand (see below)
- IBM Personal Communications (see below)
- WebSphere Studio Site Developer (see page 26)
- WebSphere Host Access Transformation Server (see below)

IBM WebSphere Host Access Transformation Server V4 (HATS)

(**HATS**) gives you all the tools you need to quickly and easily extend your legacy applications. It makes your 3270 and 5250 applications available through the most popular Web browsers, while at the same time converting your host screens to a Web-like look and feel. HATS' rules-based engine can make it possible to extend your host application to the Web. HATS can accurately recognize host screens and transform them in real time to a Web interface according to set of predetermined rules. It includes a collection of default rules which can be easily modified. HATS is a zero footprint Web-to-host solution – the only software needed on the client is a Web browser.

IBM Personal Communications V5.7 is a key client component of IBM's Host Integration portfolio for LAN, WAN, and remote access and connectivity (RAC). It provides access to applications and data whether residing on mid-range or enterprise servers (mainframes). Additionally, it can give you the optimal platform for traditional access to data and applications on the host and includes new tools to help transform your traditional business into an e-business.

WebSphere Host On-Demand V8.0 delivers security-rich Web-to-host access and e-business application programming support. Users can access TN3270E, TN5250, VT52/100/200, and CICS sessions from a Java-enabled browser. Standard desktop utilities, file transfer, host print, and a GUI maximize user productivity. WebSphere Host On-Demand requires no client installation or middle tier server, and it supports your choice of client and server platforms. With V8.0, WebSphere Host On-Demand can be run as a portlet within the WebSphere Portal family so no browser is required. Preconfigured sample portlets are available for download.

For more information -
ibm.com/software/webservers/hostintegration

Product No.	Description	Price \$
D5BI4LL	WebSphere Host Integration Solution for Internet (Concurrent Users) LIC/SW MAINT 12 MONTHS	450
D5BIDLL	WebSphere Host Integration Solution for Intranet (Registered Users) LIC/SW MAINT 12 MONTHS	300
D52C5LL	WebSphere Host Integration Solution for iSeries (Concurrent Users) LIC/SW MAINT 12 MONTHS	256
D52C8LL	WebSphere Host Integration Solution for iSeries (Registered Users) LIC/SW MAINT 12 MONTHS	174

Prices shown include license and software maintenance. Additional savings on volume purchases and trade up options may apply.

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Web access to your CICS applications

CICS Transaction Gateway and CICS Universal Client

WNT W2000 W98 W95
AIX HP-UX SUN OS2

IBM CICS® Transaction Gateway allows users to integrate Web application servers with back-end business application systems running on CICS servers. It provides simple, efficient and scalable connectivity for most applications running on CICS servers. It:

- **Is a well-proven, high-performing and robust connector for WebSphere**
- **Offers a comprehensive, security-rich environment for optimal authentication and authorization**
- **Allows a choice of application server programming models for deployment across most major execution platforms**
- **Delivers best-of-breed performance and scalability by using memory-based access to optimize connection to CICS applications**
- **Provides implementation of the J2EE Connector Architecture.**

IBM CICS Transaction Gateway Version 5 provides a robust, secure complement to a Web Server or Web Application Server, enabling access to business critical applications. It uses the latest technologies to link the open world of Web browsers on the Internet or an intranet to the power of enterprise computing and to applications running on CICS. CICS Transaction Gateway can run on the same system as the Web Server or on a separate gateway server.

IBM CICS Universal Client Version 5 for Windows enables customers to distribute *single user* CICS access across the enterprise. CICS Transaction Gateway contains a superset of the functions offered in CICS Universal Clients V5 and may be used to support multi-user integration applications.

For more information - ibm.com/software/cics/ctg

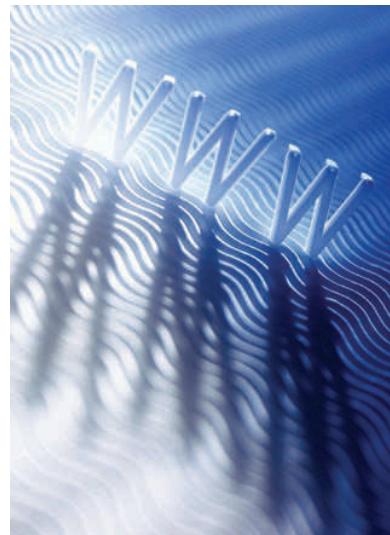
Product No.	Description	Price \$
D5D8LLL	CICS Transaction Gateway Processor Inst for zSeries LIC/SW MAINT 12 MONTHS	9,059
D51CKLL	CICS Universal Client Processor LIC/SW MAINT 12 MONTHS	93

Prices shown include license and software maintenance. Additional savings on volume purchases and trade up options may apply.

Quickly extend legacy applications to the Web

WebSphere Host Publisher

WNT W2000 AIX SUN



- **Extends the reach of your mission-critical legacy applications, without modification, to Web users and new WebSphere® applications**
- **Supports applications written for 3270, 5250, Virtual Terminal, Java and JDBC-enabled databases**
- **Extends legacy services as new Web services**
- **J2EE compliant**
- **Delivers Enterprise JavaBean (EJB) support**
- **Provides a WebSphere Portal portlet extending legacy content as new Enterprise portal content.**

Designed for ease-of-use, WebSphere Host Publisher enables IT professionals familiar with existing applications to simply extend them to the Web. Create new composite applications that mine information from various sources without modifying your back-end systems. It also provides the high level of security you need for your Web-based environment. Host Publisher offers the scalability, flexibility and robustness of an industrial-grade Web platform coupled with tools that enable the reuse of previous work in the creation of new, sophisticated, host-linked e-business applications.

For more information -
ibm.com/software/webservers/hostpublisher

Product No.	Description	Price \$
D517LLL	WebSphere Host Publisher (per processor) LIC/SW MAINT 12 MONTHS	92,903

Price shown includes license and software maintenance. Additional savings on volume purchases and trade up options may apply.

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Open the door to protocol independent networking

IBM Communications Servers

WNT W2000 AIX

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The IBM Communications Server family offers a broad range of communications, connectivity, and networking options that let you make application decisions based on business needs, not networking protocols.

It brings you true networking even when platforms are diverse. Two versions support the most popular operating environments:

IBM Communications Server for Windows NT® and Windows 2000® V6.1.1 offers proven, secure, enterprise-class support for e-business networks. It connects users to host applications and data over SNA, TCP/IP, intranets, extranets or the Internet. It includes:

- Express Logon Function
- Extended TN3270E Capabilities
- Microsoft Windows 2000 Active Directory** Support
- SSL support, SLP service location and load balancing functions for TN Server.

Communications Server for AIX, V6.1 opens the door to protocol-independent networking, with seamless, all-in-one support for workstations communicating across SNA and TCP/IP networks. Its capabilities include:

- A full-function SNA gateway
- The most Advanced Peer-to-Peer Networking system in the industry
- Support for many types of connections
- A rich set of application programming interfaces (APIs)
- Support for IBM's AIX 64-bit operating system.

For more information - ibm.com/software/network/commserver

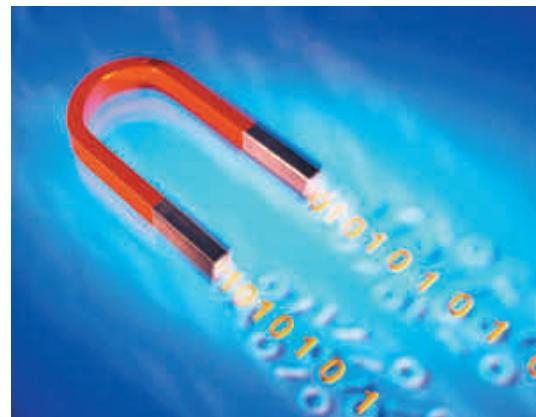
Product No.	Description	Price \$
D5BDTLL	Communications Server for Win NT and W2000 Server, LIC/SW MAINT 12 MONTHS	1,188
D5BD2LL	Communications Server for Win NT and W2000 Concurrent User, LIC/SW MAINT 12 MONTHS	84
D5BDJLL	Communications Server for AIX Server, LIC/SW MAINT 12 MONTHS	1,188
D5BCTLL	Communications Server for AIX Concurrent User, LIC/SW MAINT 12 MONTHS	84

Prices shown include license and software maintenance. Additional savings on volume purchases and trade up options may apply.

Optimize the wireless Web experience

WebSphere Transcoding Publisher

WNT W2000 LNX AIX SUN



■ **Dynamically extends Web content to various mobile devices including voice-only phone**

■ **Supports Machine Language translation**

■ **Streamlines content delivery**

■ **Customizes presentation for end-users.**

WebSphere® Transcoding Publisher (WTP) V4.0 is a server-side software that dynamically adapts, reformats, and filters data so that it is optimally formatted for pervasive computing. It minimizes the need to generate and maintain multiple versions of Web content or applications to support different target devices and environments. WTP delivers a set of convenient plug-and-play content transformations along with the ability to deliver new transformations in response to new breeds of devices, emerging XML variants, and e-business trends. The flexible architecture keeps your business ahead of trends and helps ensure your data and applications continue to reach customers in the environments of the future.

For more information - ibm.com/websphere/transcoding

Product No.	Description	Price \$
D5BHVLL	WebSphere Transcoding Publisher (per processor) LIC/SW MAINT 12 MONTHS	36,750

Price shown includes license and software maintenance. Additional savings on volume purchases and trade up options may apply.

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Personal productivity and enterprise application access anywhere, anytime

WebSphere Everyplace Access

W2000 AIX SUN



Product Update



■ Provides a complete and scalable infrastructure for extending business applications to mobile users of Palm, Pocket PC, NTT DoCoMo, and mobile phone devices

■ Synchronizes Lotus Notes and Microsoft Exchange PIM to mobile clients

■ Supports advanced mobile user functions such as notification services, Location Aware services, and enhanced off-line access to Web content

■ Offers Lotus Sametime Mobile support for messaging and awareness

■ Includes DB2 Everyplace® to enable mobile access to JDBC-compliant databases

■ Features a comprehensive application development toolkit that includes samples, a set of plugins and extensive support for portlets

■ Manages mobile devices, including device configuration, software distribution, and inventory

■ Based on open standards and proven technologies of WebSphere Application Server and WebSphere Portal.

WebSphere Everyplace Access (WEA) V4.3 can simplify wireless for you. In one package, it delivers the technology needed to give your mobile employees access to productivity data and enterprise applications from virtually anywhere, at any time. Designed to allow you to start small and grow, WEA provides an entry-level solution while laying the foundation for a scalable infrastructure to meet your future mobile business computing requirements.

For more information - ibm.com/software/pervasive/enterprise

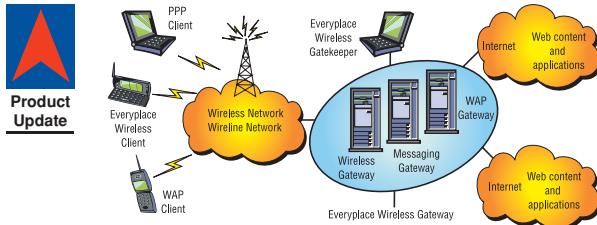
Product No.	Description	Price \$
D5196LL	WebSphere Everyplace Access Processor LIC/SW MAINT 12 MONTHS	105,250

Price shown includes license and software maintenance. Additional savings on volume purchases and trade up options may apply.

Extend applications to mobile users over multiple networks

WebSphere Everyplace Connection Manager

AIX SUN LNX



■ Wireless network data optimization and improved data communication efficiencies for a VPN connection

■ High level of security with AES, DES, 3DES, RC5, SSL, WTLS, and FIPS 140-2 certification

■ Seamless cross network roaming and session stability

■ Network intelligence that senses, selects, and prioritizes network connections

■ High reliability and scalability across multiple sites, gateway clustering and HACMP

■ Clientless connection to allow Web browser access to information behind the firewall

■ Thin client access options

■ Server integration with existing AAA via RADIUS support, and directory via LDAP and ODBC databases

■ Two-way messaging for WAP, SMS, packet radio, and paging networks.

WebSphere Everyplace Connection Manager (WECM) V5.0 offers a distributed, scalable, multipurpose communications platform for compression, security, and persistence to drive higher wireless data throughput and lower costs. It creates a mobile VPN that encrypts data over vulnerable wireless LAN and WAN connections. It integrates an exhaustive list of standard IP and non-IP wireless bearer networks, server hardware, device operating systems and mobile security protocols. WECM V5 supports WAP including WAP Wireless Session Protocol (WSP). WECM V5 without WAP is also available for a lower price.

For more information - ibm.com/software/pervasive/enterprise/

Product No.	Description	Price \$
D52CSLL	WebSphere Everyplace Connection Manager With WAP (per processor) LIC/SW MAINT 12 MONTHS	80,500
D52CVLL	WebSphere Everyplace Connection Manager Without WAP (per processor) LIC/SW MAINT 12 MONTHS	68,750

Prices shown include license and software maintenance. Additional savings on volume purchases and trade up options may apply.

PASSPORT ADVANTAGE

Stretch your software dollars with Passport Advantage!
See page 6

Speech enable your e-business portal environment

WebSphere Voice Application Access

W2000 AIX



Product Update

- **Provides a voice portal framework that uses voice recognition technology to link telephone callers to enterprise data and applications**
- **Aggregates a broad spectrum of information including e-mail, address book, calendar, Web content, and e-business applications by interacting with corporate information**
- **Uses open-standard programming languages (VoiceXML and Java) to create voice-enabled applications that will interoperate with Web servers and databases**
- **Toolkit that uses WebSphere Studio.**

IBM WebSphere Voice Application Access V4.2 is a speech middleware software product that extends the WebSphere portal infrastructure and programming model to voice. It provides a voice portal framework that allows enterprises to deliver information to mobile employees using voice as the interface. Its voice recognition technology can link telephone callers to enterprise data and applications that were previously accessible only via computer screens, keyboards, and PDAs. Since WebSphere Voice Application Access is built around the portal framework, users can access personalized content from a single point of entry and navigate to various voice portlets using voice commands.

V4.2 brings the following enhancements:

- Support for WebSphere Portal V4.2.1, WebSphere Everyplace Access V4.3, WebSphere Voice Server V4.2, and WebSphere Voice Response for AIX V3.1
- Support for VoiceXML V2.0 specification, updated Voice Aggregator, and Numeric Alias
- New sample portlet “Reminder”
- Choice of preferred language
- Interoperability with Nuance Voice platform 2.0
- Support for additional languages and LDAP servers
- Updated Voice Toolkit
- Scalability.

For more information - ibm.com/software/voice

Product No.	Description	Price \$
D520ALL	WebSphere Application Access (per processor) LIC/SW MAINT 12 MONTHS	83,613

Price shown includes license and software maintenance. Additional savings on volume purchases and trade up options may apply.

Remove language barriers to global communications and e-commerce

WebSphere Translation Server

WNT W2000

AIX LNX SUN

- **Translates hundreds of words per second**
- **Provides superior parsing mechanism and deep lexical analysis using state-of-the-art machine translation techniques**
- **Effects quick, inexpensive, convenient “gist” text translation**
- **Interprets specific terms or phrases for a domain or context**
- **Supports WebSphere® Application Server and various HTTP servers**
- **Integrates easily into multiple environments with attached e-mail servers and synchronous collaboration chat servers.**

Leverage your existing Web infrastructure to present content to your customers and users in their native languages, at a fraction of the cost of professional translation. With WebSphere Translation Server V2.0, you can provide Web pages, e-mail messages, and chat conversations in multiple languages, real time. You can also add your specific terms and phrases to the lexicons used by the machine translation engines. Disbursed processing and off-loading of the translation task from the HTTP, application or Sametime® servers can be achieved with WebSphere Translation Server running on a dedicated server.

For more information - ibm.com/software/voice

Product No.	Description	Price \$
D50ZALL	WebSphere Translation Server for Multiplatforms, English to/Brazilian Portuguese (per processor) LIC/SW MAINT 12 MONTHS	10,453
D5CWZLL	WebSphere Translation Server for Multiplatforms, English to/from French (per processor) LIC/SW MAINT 12 MONTHS	20,904
D5CX7LL	WebSphere Translation Server for Multiplatforms, English to/from German (per processor) LIC/SW MAINT 12 MONTHS	20,904
D5CXFLL	WebSphere Translation Server for Multiplatforms, English to/from Italian (per processor) LIC/SW MAINT 12 MONTHS	20,904
D5CXNLL	WebSphere Translation Server for Multiplatforms, English to/from Spanish (per processor) LIC/SW MAINT 12 MONTHS	20,904
D5CWALL	WebSphere Translation Server for Multiplatforms, English to/from Japanese (per processor) LIC/SW MAINT 12 MONTHS	20,904
D5CWRLL	WebSphere Translation Server for Multiplatforms, English to/from Traditional Chinese (per processor) LIC/SW MAINT 12 MONTHS	20,904
D5CXWLL	WebSphere Translation Server for Multiplatforms, English to/from Simplified Chinese (per processor) LIC/SW MAINT 12 MONTHS	20,904
D5CWILL	WebSphere Translation Server for Multiplatforms, English to Korean (per processor) LIC/SW MAINT 12 MONTHS	10,453

Prices shown include license and software maintenance. Additional savings on volume purchases and trade up options may apply.

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e-business finds its voice

WebSphere Voice Server

W2000 AIX



Product Update



■ **Voice-enable your applications to wireline and wireless devices using VoiceXML and Java**

■ **Leverage your investment in Internet-skilled resources, telephony and Web infrastructure**

■ **Support WebSphere Voice Response, Intel Dialogic, Cisco or Siemens HiPath, and Voice Server Speech Technologies**

■ **Voice Toolkit for WebSphere Studio and WebSphere Studio Site Developer.**

WebSphere Voice Server provides speech recognition and speech synthesis (Text-To-Speech or TTS) engines, voice application development tools and telephony platform connections to develop and deploy applications for use over telephones. New features of V4.2 include:

- More natural sounding synthesized speech with the new third generation synthesized speech concatenative TTS with female voice for various languages
- Support for Dutch[†] and Korean[†], in addition to US, UK and Australian English, French and Canadian French, German, Italian[†], Spanish, Brazilian Portuguese, Japanese, Cantonese, and Simplified and Traditional Chinese^{†*}
- Support for ScanSoft RealSpeak TTS*, VoiceXML 2.0, SRGS 1.0, SSML 1.0, and SISR 1.0.

For more information -
ibm.com/pvc/products/voice/voice_server.shtml

Product No.	Description	Price \$
D50V8LL	WebSphere Voice Server (per processor) LIC/SW MAINT 12 MONTHS	20,904
D50VELL	WebSphere Voice Server US Eng. Lang. Support for Windows 2000 and AIX (per processor) LIC/SW MAINT 12 MONTHS*	4,181
D50VNLL	WebSphere Voice Server US Eng. Concatenative TTS for Windows 2000 and AIX (per processor) LIC/SW MAINT 12 MONTHS*	5,575

Prices shown include license and software maintenance. Additional savings on volume purchases and trade up options may apply. [†] Requires ScanSoft RealSpeak TTS

* Language support and concatenative TTS options are platform dependent. Linux operating system support for US English and German when using Voice Server Speech Technologies. Call for additional part numbers and pricing.

Interactive voice response and advanced speech recognition

WebSphere Voice Response & Unified Messaging for WebSphere Voice Response

WNT
W2000
AIX

WebSphere Voice Response (WVR) V3.1 is a versatile, powerful voice processing platform specializing in Interactive Voice Response that takes information retrieval far beyond traditional "Press 1 to Continue" menus. When integrating with WebSphere Voice Server, applications can combine keypad entry with voice recognition. WVR features:

- Answer and screen a large number of calls simultaneously and promptly, reducing caller wait time
- Scalable from 2 to 480 ports depending on platform
- Support speech recognition technology, including WebSphere Voice Server
- Provide dynamic, real-time information on demand through advanced Text-to-Speech technologies, including WebSphere Voice Server
- Support VoiceXML and Java for service creation
- Support multiple connectivity and signaling environments such as T1, E1, (ISDN, CAS, SS7) and VoIP.

For use with WVR for AIX is **Unified Messaging for WebSphere Voice Response V3.1** (previously known as IBM Message Center). It is a highly scalable, flexible, and configurable solution enabling users to receive and manage voice, fax and e-mail messages.

For more information - ibm.com/pvc/enterprise

Product No.	Description	Price \$
D5143LL	WebSphere Voice Response for Windows (port) LIC/SW MAINT 12 MONTHS	1,373
D5146LL	WebSphere Voice Response for AIX (port) LIC/SW MAINT 12 MONTHS	1,548
D5207LL	Unified Messaging for WebSphere Voice Response (mailbox) LIC/SW MAINT 12 MONTHS	50

Prices shown reflect Passport Advantage savings on licenses and maintenance. Additional savings on volume purchases and trade up options may apply.

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Power the value chain for selling, buying, and channel management

WebSphere Commerce Professional and Business Editions

W2000 LNX AIX SUN

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TO BUILD
REAL-WORLD
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- **Support both B2C and B2B implementations**
- **Reliable, secure, scalable e-commerce platform ensuring flawless execution in even the most rigorous conditions**
- **Catalog content management features to build, manage and deploy sophisticated online catalogs**
- **Easy-to-use interfaces to create dynamic marketing campaigns, target market segments, and personalized product promotions**
- **Live help/customer care and online collaboration using Lotus Sametime and Lotus QuickPlace**
- **Sophisticated multicultural enablement and support to sell in the global market**
- **Built-in payments supporting Offline, SET, CyberCash, VisaNet, and BankServACH**
- **Highly customizable and flexible development environment based on open architecture and industry standards**
- **Data mining and business intelligence to analyze and report customer behavior and buying patterns**
- **Speed, ease and depth of integration to internal and external systems as well as business processes**
- **Cost savings and rapid ROI.**

WebSphere Commerce® provides selling, buying and channel management solutions – from a simple online sales channel, to e-procurement, to a completely integrated, multi-tier demand chain – all on a single, unified platform. It helps maximize your e-commerce revenue by creating a global on demand extended enterprise – a network of employees, suppliers, partners and customers collaborating in real time. Implement affordably and at your own pace – with solutions tuned to your business size, industry, and phase of adoption. The WebSphere Commerce offering is powered by the Business Context Engine – a set of features that fully support the unique ways you do business, and the ways your customers want to do business with you.

WebSphere Commerce Professional Edition is the market-leading commerce server with the breadth of capabilities to meet the needs of any retail online storefront initiative with enhanced buying experience, improved operational efficiencies, and support for high transaction volumes. Areas of enhancements delivered in V5.5 include:

- B2C Store Models
- Integration
- Marketing and Merchandising
- Catalog Management Tooling
- Product Advisor
- Live Help/Customer Care Collaboration
- Analytics and Business Intelligence
- Operational Report
- Site Metrics using Tivoli Web Site Analyzer
- WebSphere Commerce Payments
- System Management
- Installation
- Web Services.

WebSphere Commerce Business Edition supports all of the enterprise capabilities of WebSphere Commerce Professional Edition, and adds significant B2B commerce functionality to enable selling to consumers via distributors or resellers. V5.5 delivers enhancements in:

- Channel Management
- Hosting Support
- B2B Store
- Customer Entitlement and Contract-Based Commerce
- RFQ.

For more information - ibm.com/software/websphere/commerce

Product No.	Description	Price \$
D50SALL	WebSphere Commerce Business Edition (per processor) LIC/SW MAINT 12 MONTHS	154,837
DSB9CLL	WebSphere Commerce Professional Edition (per processor) LIC/SW MAINT 12 MONTHS	99,096

Prices shown include license and software maintenance. Additional savings on volume purchases and trade up options may apply.

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Everything you need to develop and test a store

WebSphere Commerce Studio

W2000



Product Update



- **Consolidates all store development tools in a single environment**
- **Includes a development license for WebSphere Commerce**
- **Features WebSphere Studio Application Developer – enhanced for the WebSphere Commerce environment**
- **Offers Store Models for easy customization**
- **Includes tools and support for rules-based and collaborative filtering-based personalization**
- **Provides fully integrated, comprehensive online help.**

WebSphere Commerce Studio Developer Editions V5.5, available in both a Professional Developer and a Business Developer Edition, provide the tools to develop and test a commerce store, and manage assets for e-commerce application. It includes WebSphere Studio Application Developer which provides an open, flexible environment to optimize and simplify J2EE and Web services development. WebSphere Commerce Studio is available on Windows 2000 only with store publishing capability to all supported WebSphere Commerce platforms.

For more information - ibm.com/software/websphere/commerce

Product No.	Description	Price \$
D50S7LL	WebSphere Commerce Studio, Business Developer Edition (per user) LIC/SW MAINT 12 MONTHS	30,967
D5BAZLL	WebSphere Commerce Studio, Professional Developer Edition (per user) LIC/SW MAINT 12 MONTHS	18,580

Prices shown include license and software maintenance. Additional savings on volume purchases and trade up options may apply.

Delivers fast, affordable e-commerce solutions for midmarket companies

WebSphere Commerce - Express

W2000 LNX



New



- **Affordable but complete, with all-in-one licensing that meets your needs for production, staging and site development at one attractive price**
- **Easily installed, with a streamlined process that gets you ready to create and customize your store quickly and in a minimal number of steps**
- **Ready to go with the capabilities you need to get started out-of-the-box while providing many advanced features you can grow into**
- **Easy to administer, with tools to let you manage your site effectively without special technical skills**
- **Built on open standards, freeing your company from proprietary platform restrictions.**

WebSphere Commerce - Express V5.5 is designed to help midmarket firms quickly and affordably build and maintain e-commerce Web sites for B2B or B2C implementations. It shares the same code base and many core capabilities with the rest of the WebSphere Commerce family such as guided selling, catalog and order management, targeted marketing and merchandising, business intelligence and analytics, and superior integration capabilities. In addition, it offers a number of new midmarket-focused features including an improved install process, simplified store models, and enhanced store management tools.

Get a quick start creating your store site with WebSphere Commerce - Express Developer Edition which is based on WebSphere Studio Application Developer. One developer seat is included with WebSphere Commerce - Express.

For more information -
ibm.com/software/websphere/commerce/express

Product No.	Description	Price \$
D52WJLL	WebSphere Commerce - Express (per processor) LIC/SW MAINT 12 MONTHS	20,000
D52WMLL	WebSphere Commerce - Express Developer Edition (per user) LIC/SW MAINT 12 MONTHS	3,500

Prices shown include license and software maintenance. Additional savings on volume purchases and trade up options may apply.

INSTALLATION
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configure and
implement your
WebSphere
software to meet
your needs.

Turn your digital assets into a revenue stream

WebSphere Digital Media Enabler

WS2003 W2000
AIX SUN



**PASSPORT
ADVANTAGE**
Stretch your
software dollars with
Passport Advantage!
See page 6.

■ **Provides a simple, customizable, secure access point for uploading and accessing digital media**

■ **Optimizes revenue by selling rich media already created via an enhanced distribution system**

■ **Delivers personalized content and reduced production costs using real-time collaboration**

■ **Enriches the buying experience of customers and trading partners through a variety of options for payment, delivery and format**

■ **Strengthens and streamlines your processes for e-learning, marketing communications, and distribution of digital content**

■ **Leverages Java's open standards to deliver a flexible, easy-to-maintain solution**

■ **Supported as portlets within WebSphere Portal.**

WebSphere Digital Media Enabler V5.5 brings together award-winning WebSphere Commerce and IBM DB2 Content Manager. It enables you to create, store, search, view, collaborate, purchase, download, distribute, market and sell content directly through the Web. From the ability to rapidly evaluate, index, and browse high-resolution video to handling vast tracks of text and images, WebSphere Digital Media Enabler provides you with out-of-the-box capabilities that are fully supported by a viable e-commerce solution.

For more information -
ibm.com/software/genservers/commerce/wdme/

Product No.	Description	Price \$
D525MLL	WebSphere Digital Media Enabler (per processor) LIC/SW MAINT 12 MONTHS	49,548

Price shown includes license and software maintenance. Additional savings on volume purchases and trade up options may apply.

Compelling combination of commerce and portal capabilities

WebSphere Commerce Portal

WNT W2000
AIX SUN



■ **Integrates your e-commerce Web site with highly personalized content**

■ **Unifies and streamlines online information and business applications**

■ **Includes commerce-enabled portlets, and existing functions of WebSphere® Portal and WebSphere Commerce.**

Built on WebSphere Portal and WebSphere Commerce software, WebSphere Commerce Portal includes all the components you need to build an integrated e-commerce portal. Its key features include:

- Personalizes to unique specific user profiles
- Gives your customers access to products, promotions, and other order status information across all your brands and partners in a consolidated view
- Integrates intra- and inter-company operations resulting in efficient and responsive handling of demand-side orders.

WebSphere Commerce Portal's streamlined approach delivers quick return on investment. It eliminates the need to build and maintain multiple sites for different user groups, increases the efficiency of customer, partner and supplier interactions, and improves customer satisfaction and retention.

For more information -
ibm.com/software/webservers/commerce/portal

Product No.	Description	Price \$
D5204LL	WebSphere Commerce Portal (per processor) LIC/SW MAINT 12 MONTHS	148,644

Price shown includes license and software maintenance. Additional savings on volume purchases and trade up options may apply.

visit ibm.com/software/us/catalogorder

call **800 426-2255**



WebSphere software: The technology wins awards—the service will win you over.

IBM helps make your software deployment a success

Your WebSphere software purchase is a critical step in your e-business development—giving you award-winning technology to put your business processes online. IBM doesn't

stop there. To help ensure your success, IBM stands behind its offerings with implementation and training support after the sale. Who better to help manage and maintain your WebSphere infrastructure than the company that developed WebSphere software? With knowledgeable consultants and research and development specialists, IBM can help you get the most out of your WebSphere software purchase.

Planning, installation and implementation services

Engage IBM to help you accelerate your e-commerce implementation and the deployment of your new software solution with comprehensive services that include:

- Planning, design and implementation support for WebSphere software.
- Installation, migration and implementation services for IBM @server and third-party servers.

Education and training services

Our team can help educate your team about deploying and managing e-business solutions based on industry-leading WebSphere software. IBM can deliver:

- A single source to provide training, design and content development.
- Flexible training options that include private and custom training at your location, standard public classroom training with hands-on labs and e-learning.
- New e-tutorials that provide self-paced learning with hands-on remote labs, real-time chats with WebSphere software instructors and quizzes with 24-hour access to instructor feedback.

Hosting services

Not quite ready to build and manage your own in-house infrastructure? IBM offers scalable, security-rich application hosting services to meet your needs. Allowing IBM to host your site can help you reduce upfront capital investments—so, you can conserve cash for short-term needs like sales and marketing efforts. With knowledgeable WebSphere software experts, IBM is uniquely positioned to provide Web hosting services for your WebSphere software-based infrastructure.

Check out an online demonstration of *The Virtual WebSphere Innovation Center Experience* and learn more about how IBM can help make your WebSphere software deployment easier by visiting ibm.com/services/its/us/WebSphere_landing.html. Or call 1 800 426-7777 and mention priority code 6N2D3055 to receive a custom quote.

In Canada, visit ibm.com/shop/ca/websphere



Doors are opening for you.

*WebSphere Innovation Centers are here.
Come on in and take a closer look.*

Get a first hand look at how WebSphere software from IBM can help you achieve your business objectives. At WebSphere Innovation Centers around the world, IBM and IBM Business Partners can help you learn more about this award-winning software and related Business Partner solutions and services. Many of these solutions extend or enhance the functions of WebSphere software to meet your unique business needs, regardless of the size of your organization.

Visit a WebSphere Innovation Center to take advantage of:

- Workshops and seminars for WebSphere software and Business Partner solutions.
- Overviews of industry-specific solutions and products for midsize businesses.
- Proof of concepts and technologies.
- Educational sessions, skills training and certifications.
- Product demonstrations on a wide range of hardware configurations and one-on-one Q&A sessions that can help you prepare for a hassle-free software deployment.

To learn more about what WebSphere Innovation Centers have to offer, visit ibm.com/websphere/wic. Or visit the URLs for the specific centers listed below.

WebSphere Innovation Centers in North America:

CommerceQuest

Tampa, FL

www.commercequest.com/wic.asp

Covansys

Farmington Hills, MI

www.covansys.com/partners/currentpartners.htm

Idea Integration

Conshohocken, PA

www.idea.com

1 610 832-7582

MSI Systems Integrators

Omaha, NE

www.msiinet.com/

1 800 640-4674

Rave

New York, NY

www.nycwic.com

1 212 857-1848

SINC

Montreal, Quebec Canada

www.sinc.ca

1 514 866-0271

Sirius Computer Solutions

Beaverton, OR

www.siriuscom.com

SYSCOM

Baltimore, MD

www.syscom.com/about/wic.html

1 410 539-3737

The ultimate e-business client

IBM Lotus Notes

WXP W2000 WNT W98
W95 Mac Mac X



Product Update



■ Integrates your most valuable messaging, collaborative and personal information management (PIM) resources, like e-mail, calendar and to-do list to allow users to access them while connected with or disconnected from your network

■ Includes hundreds of enhancements to increase ease-of-use, including background attachment handling, multi-user support and customization options

■ Provides industry-leading calendaring and scheduling functionality, which let users easily collaborate and schedule meetings with colleagues across the world

■ Helps reduce total cost of ownership with minimal training, end-user productivity enhancements and built-in management and administration functionality.

IBM Lotus Notes 6 combines enterprise-class messaging and calendaring & scheduling capabilities with a platform for collaborative applications. Lotus Notes 6 integrates your highest-priority information resources, e-mail, calendaring and scheduling, journal, to-do lists, Web pages, databases, all within a proven, reliable messaging environment.

For more information - ibm.com/lotus/notes

Product No.	Description	Price \$
D5CPILL	Lotus Notes With Messaging License LIC/SW MAINT 12 MONTHS	90
D5CS2LL	Lotus Notes With Collaboration License LIC/SW MAINT 12 MONTHS	125

Prices shown include license and software maintenance. Additional savings on volume purchases and trade up options may apply.

World-class messaging and collaboration

IBM Lotus Domino

WXP WS2003 W2000 WNT
W95 W98 LNX AIX SUN OS2



Product Update



■ Helps increase your system's availability with advanced reliability and security features

■ Saves time by letting you update your client environment centrally with low-touch deployment

■ Simplifies administration and saves time by letting you centrally manage user configurations for individuals, groups or even an entire organization

■ Centralizes directory resources for more control with less overhead

■ Reduces costs and eases administration by supporting multiple organizations and languages on one Domino server.

IBM Lotus® Domino 6 Server provides a multiplatform foundation for collaboration and e-business, driving solutions from corporate messaging to Web-based transactions – and everything in between. This enterprise-class messaging and collaboration system is built to maximize human productivity by unleashing the experience and expertise of individuals, teams, and extended communities.

For more information - ibm.com/lotus/domino

Product No.	Description	Price \$
D51NULL	Lotus Domino Messaging Server (per processor) LIC/SW MAINT 12 MONTHS	1,145
D51NRLL	Lotus Domino Enterprise Server (per processor) LIC/SW MAINT 12 MONTHS	2,964
D51NYLL	Lotus Domino Utility Server (per processor) LIC/SW MAINT 12 MONTHS	15,067

Prices shown include license and software maintenance. Additional savings on volume purchases and trade up options may apply.

FOR
PRODUCT
AVAILABILITY
on the z/OS and
OS/400
operating
environments
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ibm.com/servers/eserver/iseries/software

Enterprise messaging and collaboration software

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events and 24x7
Webcasts, visit:
[ibm.com/lotus/
events](http://ibm.com/lotus/events)

Lotus Domino Express

WNT W2000 W95 W98
AIX HP-UX LNX



- **Provides a messaging and collaboration solution that meets the specific business needs of smaller enterprises**
- **Installs quickly and easily with proven high reliability, security and performance**
- **Includes tools such as policies, archiving, mail quota management and SPAM filtering to improve administrative control**
- **Integrates easily with other application servers**
- **Delivers a cost-effective solution with simplified licensing.**

IBM Lotus Domino Express delivers market-leading Lotus collaboration software, specifically designed for small to medium-sized businesses. Like all certified IBM Software Express offerings, Domino Express has been optimized for use by smaller enterprises, with cost-effective messaging and collaboration functionality, simplified licensing and reduced administration requirements. Lotus offers two versions of Domino Express:

The IBM Lotus Domino Collaboration Express offering is powered by the Domino Enterprise Server, and allows customers to use both the messaging and collaborative capabilities of Domino. Customers can choose to access Domino via Lotus Notes, or Lotus Domino Web Access (iNotes Web Access) clients for both e-mail and collaborative applications.

The IBM Lotus Domino Utility Server Express offering is powered by the Domino Enterprise Server, and provides unlimited access to collaborative applications, but does not allow the use of individual mail files. Customers can choose to access their Domino applications through a Web browser, or via a separately purchased Lotus Notes client.

For more information -
lotus.com/products/product4.nsf/wdocs/dominoexpress

Product No.	Description	Price \$
D52VULL	IBM Lotus Domino Utility Express Processor LIC/SW MAINT 12 MONTHS	5,000
D52VQLL	IBM Lotus Domino Collaboration Express User LIC/SW MAINT 12 MONTHS	119

Prices shown include license and software maintenance. Additional savings on volume purchases and trade up options may apply.

Easy-to-use messaging with security

IBM Lotus Workplace Messaging

W2000 W95
W98 AIX



- **Provides an easy-to-use, industrial-strength, Web-based e-mail solution to deskless workers**
- **Leverages existing IT investments to help lower your total cost of ownership**
- **Helps increase employee productivity, morale and retention**
- **Eliminates the need to manage, update and support complex desktop client software**
- **Helps you stay competitive in your industry with an e-business on demand solution**
- **Delivers scalable, flexible messaging that can grow with your company**
- **Applies the benefits of proven WebSphere and DB2 technology to your infrastructure**
- **Uses an existing messaging system's directory for uninterrupted enterprise-wide communications.**

IBM Lotus Workplace Messaging delivers a cost-efficient messaging solution that allows organizations to easily extend enterprise e-mail to users currently without a dedicated workspace or e-mail access.

For more information - ibm.com/lotus/workplacemessaging

Product No.	Description	Price \$
D529SLL	IBM Lotus Workplace Messaging per user LIC/SW MAINT 12 MONTHS	29

Price shown includes license and software maintenance. Additional savings on volume purchases and trade up options may apply.

visit ibm.com/software/us/catalogorder

call **800 426-2255**

Secure messaging and online meetings built for your business

IBM Lotus Instant Messaging & IBM Lotus Web Conferencing

WNT W2000 W98 W95



■ Exchange presence information and instant messages, and hold online meetings with colleagues, customers, and business partners

■ Securely do business over the Web

■ Easily extend any Web application by building real-time collaboration tools into it.

Instant Messaging & IBM Lotus® Web Conferencing (Sametime) combines presence, awareness, secure information, instant messaging, and online Web conferencing to provide you with a whole new way to collaborate. IBM Lotus is the market leader in real-time collaboration for e-business, and offers a variety of deployment and purchase options – all based on the security and manageability that business users require. Any organization that needs to become more efficient, streamline communications, reduce travel burdens, or make faster decisions will benefit from collaborating in realtime.

For more information - ibm.com/lotus/sametime

Product No.	Description	Price \$
D5CT2LL	Lotus Instant Messaging and IBM Lotus Web Conferencing (Sametime) Per User LIC/SW MAINT 12 MONTHS	48

Price shown includes license and software maintenance. Additional savings on volume purchases and trade up options may apply.

Instant team workspaces for your business

IBM Lotus Team Workplace

WNT W2000 W98 W95 SUN

– **Find information faster.** Locate information quickly by searching an individual's workspaces ("Places") or within a single "Place." Speedily locate and enter team workspaces through "My Places" a new feature which automatically tracks and presents all the "Places" to which an individual belongs.

– **Embed team collaboration.** Add team collaboration to a broad range of Web applications, such as a portal, through a standards-based approach – a new Java/XML API.

– **Add awareness.** Work more efficiently in realtime by leveraging IBM Lotus Instant Messaging and Web Conferencing (Sametime). Check to see if a document author is online and ask questions through instant messaging. Or, schedule and attend Web conferences directly from within an IBM Lotus Team Workplace Group Calendar.

IBM Lotus Team Workplace (QuickPlace) is the Web-based solution for creating team workspaces for collaboration. With IBM Lotus Team Workplace, companies give users a way to securely work with colleagues, suppliers, partners and customers. IBM Lotus Team Workplace provides teams with workspaces where they can reach consensus through discussions, collaborate on documents, and coordinate plans, tasks, and resources.

For more information - ibm.com/lotus/quickplace

Product No.	Description	Price \$
D5CSULL	Lotus Team Workplace (QuickPlace) Per User LIC/SW MAINT 12 MONTHS	49

Price shown includes license and software maintenance. Additional savings on volume purchases and trade up options may apply.

A powerful and sophisticated Web content management solution

IBM Lotus Workplace Web Content Management

W2000 W98
W95 AIX



New

- Guides Web content creators through the authoring process using familiar applications
- Provides automated workflow to manage content throughout its lifecycle from creation through approval and delivery to review and archival
- Allows user management of site content
- Delivers aggregation, transactional integration and performance enhancing caching to enrich the user experience
- Dynamically generates and presents content for relevant and personalized delivery
- Seamlessly integrates with front-end, Web, legacy, and back-end systems
- Offers a proven, portable, and highly efficient way to drive business volumes.

IBM Lotus Workplace Web Content Management is a powerful and sophisticated content management product designed to accelerate development and delivery of critical business information across your enterprise. It enables “end-to-end” collaboration for content creation, approvals, management, retention, and publishing across your Internet, intranet and extranet assets. Despite its power, it’s remarkably easy to use. It simply requires standard office skills to rapidly harness and optimize the flow of information. IBM Lotus Workplace Web Content Management comes with:

- **Content Server function** – allows you to rapidly develop and manage your Intranet, extranet and Internet assets
- **Portlet Connector function** – helps you unleash enterprise content into WebSphere Portal Server by rapid portlet development without extensive programming
- **Connect function** – helps you optimize and integrate Web applications with existing back-end systems.

For more information -
ibm.com/lotus/products/product5.nsf/wdocs/homepage

Product No.	Description	Price \$
D52YOLL	IBM Lotus Workplace Web Content Management Processor LIC/SW MAINT 12MONTHS	49,999

Price shown includes license and software maintenance. Additional savings on volume purchases and trade up options may apply.

Collaborative document management

IBM Lotus Domino Document Manager

WNT W2000
AIX SUN



- Improve organizational efficiency by managing knowledge and intellectual assets

- Manage the lifecycle of a document – authoring, review, approval, distribution, archiving

- Integrate with **Lotus Workflow™** and **Sametime®** to provide document management in a collaborative environment.

Domino Document Manager (Domino.Doc) improves your organization's efficiency through enhanced collaboration and information management. Domino Document Manager delivers the scalability, flexibility and low cost of ownership required to support both enterprise-wide Document and Records Management, while serving as a foundation for your Knowledge Discovery solution.

Domino Document Manager offers complete document life cycle management – from authoring through review, approval, distribution and archiving – for every user and every document in the organization, from narrowly focused niche applications for small groups of specialists, to broader, scalable applications deployed enterprise-wide to every user across the organization.

For more information - ibm.com/lotus/dominodoc

Product No.	Description	Price \$
D5CFDLL	Domino.Doc CAL LIC/SW MAINT 12 MONTHS	55
D5CFLLL	Domino.Doc Enterprise 5+ CPU Server LIC/SW MAINT 12 MONTHS	29,469
D5CG4LL	Domino.Doc Team Server LIC/SW MAINT 12 MONTHS	15,133
D5CFVLL	Enterprise 1-4 CPU Server LIC/SW MAINT 12 MONTHS	19,911

Prices shown include license and software maintenance. Additional savings on volume purchases and trade up options may apply.

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Business process automation

IBM Lotus Workflow

WNT W2000
LNX AIX SUN



■ Improved product reliability and stability

■ Improved performance

■ Improved programmer documentation – new documentation is available for the Workflow JavaScript interfaces, providing additional ways to customize Lotus Workflow for Java-based environments

■ Improved Java API demos

■ New Chinese code page support.

Lotus Workflow extends the workflow capabilities of Domino to provide the most powerful workflow management system available. Mission-critical workflow applications can now be supported and maintained, rolled out across the enterprise, and quickly modified as processes evolve. By providing point-and-click tools and reusable object libraries for routing rules, role assignment, deadline handling, and task automation, even complex processes can be automated with little or no programming.

For more information - ibm.com/lotus/workflow

Product No.	Description	Price \$
D522ILL	Lotus Workflow (per processor) LIC/SW MAINT 12 MONTHS	50,941
D52E1LL	Lotus Workflow (per user) LIC/SW MAINT 12 MONTHS	95

Prices shown include license and software maintenance. Additional savings on volume purchases and trade up options may apply.

Deliver live training over the Web

IBM Lotus Virtual Classroom

WNT W2000 W95
W98 WXP



■ Provides easy-to-use tools to deliver training and add greater context to lessons and presentations

■ Offers a cost-effective introduction to online training without a major systems investment

■ Assessment capabilities help instructors gauge student comprehension and track performance and knowledge retention after training.

Lotus Virtual Classroom provides just-in-time training in a collaborative learning environment that reduces training costs, tracks performance, and gauges training effectiveness. Building on the Lotus brand collaborative heritage, our real time virtual classroom supports both informal and structured learning for geographically dispersed audiences.

For more information - ibm.com/lotus/learning

Product No.	Description	Price \$
D51J4LL	Lotus Virtual Classroom (per processor) LIC/SW MAINT 12 MONTHS	76,375
D5227LL	Lotus Virtual Classroom + Lotus Instant Messaging & Lotus Web Conferencing (SameTime) + Lotus Team Workplace (Quickplace) (per user) LIC/SW MAINT 12 MONTHS	110

Prices shown include license and software maintenance. Additional savings on volume purchases and trade up options may apply.

Manage all of your enterprise learning needs

IBM Lotus Learning Management System

WXP WNT W2000
AIX SUN LNX

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- **Build a corporate learning environment that integrates with the dynamic workplace and is part of your organizational portal strategy**
- **Provide reporting and tracking for staff decision-making and human capital management**
- **Develop competency-based learning solutions to help increase worker productivity and reduce training costs**
- **Design blended learning solutions with IBM, a leader in e-learning technology**
- **Streamline corporate learning programs, delivering valuable training resources to employees when needed.**

IBM® Lotus® Learning Management System is the newest Lotus e-learning infrastructure offering and the first to deliver full learning management system capabilities. The new Lotus Learning Management System is a scalable, flexible, standards-compliant platform for managing classroom-based and e-learning activities, resources, curriculums, and courseware catalogs across the enterprise.

The Lotus Learning Management System allows you to manage your entire training program from a single platform, so you can efficiently administer your organization's learning activities and deliver training in a more convenient, cost-effective, and timely manner.

Add the IBM Virtual Classroom module to quickly and easily develop and deliver just-in-time training to your audiences – anywhere, anytime.

For more information - ibm.com/lotus/learning

Product No.	Description	Price \$
D525ELL	Lotus Learning Management System (per user) LIC/SW MAINT 12 MONTHS	35

Price shown includes license and software maintenance. Additional savings on volume purchases and trade up options may apply.

A better value. A better way to work the Web

IBM Lotus SmartSuite

WNT WXP W2000 WME
W98 W95 OS2

■ **File filters exchange documents between Word Pro® and Microsoft Word®, 1-2-3 and Excel, or Freelance and PowerPoint®**

■ **Integrated with enterprise systems and database applications including Lotus Notes®, Lotus Domino, Oracle**, Sybase**, and IBM's WebSphere MQ, DB2, QMF, and Net.Data**

■ **Lotus SmartSuite 9.8 is the next generation all-in-one office suite solution that can help both the individual and enterprise user meet today's business demands.**

SmartSuite

SmartSuite Millennium Edition 9.8 is the award-winning desktop office suite containing Lotus 1-2-3®, Word Pro®, Freelance®, Approach®, and Organizer®. It is supported on Windows 95®, 98®, ME®, NT®, 2000, and XP. SmartSuite® 1.7 is available for OS/2. OS/2 Warp FixPak 15 or Convenience Package 1 (or higher) is required.

1-2-3

Lotus 1-2-3® Millennium Edition for Windows provides you with everything you need to find, publish and share information across the Internet and intranets. Release 9.8 delivers powerful, built-in tools for automating spreadsheet tasks and building custom business solutions. The standalone version of 1-2-3 Release 9.8 is supported on Windows 95, 98, ME, NT, 2000, and XP.

Organizer

Award-winning Lotus Organizer® R6 integrates Calendar, Contacts, To Do, Web, Notepad, Calls, Anniversary sections and scheduling, all into one convenient package. Organizer R6 also includes powerful features to help you take advantage of PDAs, cell phones and the Web.

For more information - ibm.com/lotus/smartsuite

Product No.	Description	Price \$
D5CTSLL	SmartSuite User LIC/SW MAINT 12 MONTHS	281

Price shown includes license and software maintenance. Additional savings on volume purchases and trade up options may apply.

visit ibm.com/software/us/catalogorder

call 800 426-2255

Four important routes to business impact management

IBM Tivoli Management Solutions Overview



IBM Tivoli® solutions help you understand and proactively manage the *business impact* of your IT systems. IBM Tivoli security, storage, and systems management software uses intelligent, autonomic technology to proactively diagnose your systems, helping you better manage your e-business infrastructure for maximum business impact. It collects all of the data your systems management infrastructure generates on specific resources, usage trends, capacity and outages in a central data warehouse and analyzes it to develop business intelligence so that your IT systems are aligned with your business priorities and your technology can give you a competitive advantage and add value to the enterprise.

PERFORMANCE AND AVAILABILITY MANAGEMENT

IBM Tivoli Performance and Availability Management solutions provide the central nervous system for your complicated e-business landscape – they constantly gather information on your hardware, software and network devices, and, in many cases, cure problems before they actually occur. IBM Tivoli intelligent solutions monitor your e-business at the component, business system and enterprise levels. This technology identifies critical problems as well as misleading symptoms and effects, and then either notifies support staff with the appropriate response, or automatically cures the problem. IBM Tivoli's Performance and Availability Solutions deliver key capabilities with the following products:

- **IBM Tivoli Monitoring**
- **IBM Tivoli Monitoring Active Directory Option**
- **IBM Tivoli Business Systems Manager**
- **IBM Tivoli Service Level Advisor**
- **IBM Tivoli Web Site Analyzer**
- **IBM Tivoli Analyzer for Lotus Domino**
- **IBM Tivoli Enterprise**
- **IBM Tivoli NetView**
- **IBM Tivoli Switch Analyzer**

CONFIGURATION AND OPERATIONS MANAGEMENT

The continuous strength and productivity of your e-business infrastructure is often the single determining factor between business growth and chaos. This suite of applications distributes software reliably and securely, manages the change and control of IT assets, automates workflow through the enterprise and remotely controls systems and applications. The products include:

- **IBM Tivoli Configuration Manager**
- **IBM Tivoli License Manager**
- **IBM Tivoli Remote Control**
- **IBM Tivoli Workload Scheduler**
- **IBM Tivoli Data Exchange**

SECURITY MANAGEMENT

The IBM Tivoli Security Management suite consists of integrated offerings that provide a comprehensive, scalable solution for centralized security management and access control. The IBM Tivoli approach allows businesses to realize immediate return on their e-business security investments and to consistently enforce security and privacy policies, reduce overall security administration costs, and, ultimately, increase employee productivity and customer satisfaction. Specific security needs are met with the products below:

- **IBM Tivoli Identity Manager**
- **IBM Tivoli Access Managers**
- **IBM Tivoli Privacy Manager for e-business**
- **IBM Tivoli Risk Manager**
- **IBM Tivoli Intrusion Manager**

STORAGE MANAGEMENT

IBM Tivoli Storage Management protects your data from hardware failures and other errors by storing backup and archive copies of data on offline storage. Tivoli storage products are unmatched in providing a combination of scalability, intelligent data technology, disaster preparation, and broad platform and application support, all through one centralized, automated solution. The products in this group are:

- **IBM Tivoli Storage Manager**
- **IBM Tivoli Storage Area Network Manager**
- **IBM Tivoli Storage Resource Manager**

For more information - ibm.com/tivoli

FOR
PRODUCT
AVAILABILITY
on the z/OS and
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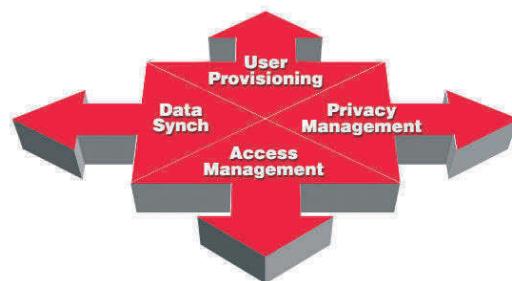
Integrated security to enable e-business

IBM Tivoli Security Solutions

WNT W2000 AIX UNIX HP-UX SUN LNX

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IBM Tivoli® security solutions provide self-protecting autonomic security management capabilities to address two critical e-business challenges: integrated identity management and security event management.

INTEGRATED IDENTITY MANAGEMENT

This award-winning solution helps you get users, systems and applications online and productive faster, reduce costs and maximize return on investment. It can automate the management of user identities, access rights and privacy policies. To effectively manage internal users as well as an increasing number of customers and partners through the Internet, IBM Tivoli provides the only integrated solution that addresses all key areas of identity management: provisioning, access and privacy. The products include:

IBM Tivoli Identity Manager – Automates the management and provisioning of user identities across the e-business infrastructure. Helps reduce administration costs with delegated administration, centralized user account creation (including self-service interfaces), automated approvals processing that integrates with existing business processes and resource provisioning.

IBM Tivoli Identity Manager interacts directly with users and with two external types of systems: identity sources and access control mechanisms. The identity systems deliver authoritative information about the users that need accounts. The provisioning system communicates directly with access control systems to create accounts, supply user information and passwords and define the entitlements of the account. In reverse, local administrative changes made to an access control system are captured and reported to the provisioning system for evaluation against policy.

IBM Tivoli Access Manager for e-business – Provides single sign-on and centralized access control across a wide range of Web and application resources by supporting virtually any type of user authentication method, and controlling access to virtually any type of resource for authenticated users. Policy-based access control helps deploy applications fast while minimizing application development and administrative costs.

IBM Tivoli Access Manager for Business Integration

Enhances IBM WebSphere MQ's native security services to provide application-level data protection, without the need to modify or recompile WebSphere MQ applications.

IBM Tivoli Access Manager for Operating Systems

Strengthens security for UNIX and Linux systems. Helps prevent security violations due to unguarded privileges of "root" or "super" users and reduce costs through centralized administration across AIX, Sun Solaris, HP-UX and Linux systems.

IBM Tivoli Privacy Manager for e-business – designed to help organizations build privacy policies and practices directly into their e-business applications and infrastructure. It can be used to automate many privacy compliance activities, which simplifies the incorporation, monitoring and enforcement of privacy policy into business processes. IBM Tivoli Privacy Manager for e-business provides an enterprise-wide view of all privacy policies, thus enabling companies to create, edit, enforce, and centrally manage privacy policies across the entire IT infrastructure.

SECURITY EVENT MANAGEMENT

This award-winning solution helps you actively monitor IT resources, filter and correlate events, and automate responses to security incidents across applications, operating systems and network devices. It gives you the capability to drill down to the network topology to see where the affected resources are located and delivers true root cause problem determination. This scalable solution can centrally manage security incidents from a single security console to provide an overall view of the security architecture. The products include:

IBM Tivoli Risk Manager – Automatically manages security incidents, such as denial-of-service attacks and other forms of intrusions, and performs security change management across the enterprise.

IBM Tivoli Intrusion Manager – An entry-level product to help midsize companies quickly implement an effective solution to mitigate and manage intrusions, and help protect the network and Web servers. Tivoli Intrusion Manager provides a single event and problem management console, advanced event correlation, and reporting/analysis that allows administrators to monitor events and quickly respond to security attacks.

For more information -
ibm.com/services/learning/us/landing/security

Product No.

Call for part numbers and pricing.

Managing complexity in dynamic e-business environments

IBM Tivoli Configuration and Operations Solutions

WNT W2000 W98 AIX HP-UX SUN



IBM Tivoli's Configuration and Operations management solutions distribute software reliably and securely, manage the change and control of IT assets, automate workflow through the enterprise and remotely control systems and applications. This suite of applications includes:

IBM TIVOLI CONFIGURATION MANAGER lets users gain total control over enterprise software and hardware. Its software distribution module provides the ability to rapidly and efficiently deploy complex mission-critical applications to multiple locations from a central point. After systems have been deployed, the inventory module lets users automatically scan for and collect hardware and software configuration information from computer systems across your enterprise.

Software distribution capabilities of Tivoli Configuration Manager allow software to be deployed across the enterprise. It is a key solution for customers who need to achieve rapid, centralized application deployment. Tivoli Configuration Manager helps manage throughout the software deployment lifecycle from packaging, planning and administration to delivery, installation and reporting.

IBM TIVOLI LICENSE MANAGER is a powerful tool for managing software licensing. With advanced inventory and reporting capabilities, it helps businesses know exactly what software licenses they have and which ones they might need. Tivoli License Manager can help organizations:

Generate significant cost savings – by helping verify that businesses pay only for the software they need and by providing a strong position from which to negotiate software licenses.

Guard against penalties – Numerous nonprofit organizations are working aggressively to make sure businesses don't use software illegally. Violators can receive significant fines per infringement, damaging their balance sheet and their reputation.

Increase productivity – With the knowledge gained from Tivoli License Manager, businesses can plan for future software changes and efficiently deploy large-scale software training initiatives.

IBM TIVOLI REMOTE CONTROL is an industry-leading enterprise-scale remote control solution. Scalable to enterprise desktops and server environments that number in the tens of thousands, Remote Control gives IT quick, secure and reliable control over the critical resources they manage.

IBM Tivoli Remote Control offers 5 distinct management functions:

Control – Take control of the remote machine; execute commands and applications (active state).

Monitor – View the display of the remote workstation and monitor activities (monitor state).

Reboot – Reboot the remote workstation.

Chat – Start a chat session with the target.

File Transfer – Send and/or Receive Files/Directories to and from a Target.

IBM TIVOLI WORKLOAD SCHEDULER automates, monitors, and controls the flow of work through your enterprise's entire IT infrastructure on both local and remote systems. From a single point of control, the suite analyzes the status of the production work and drives the processing of the workload according to installation business policies. It supports a multiple-end-user environment, enabling distributed processing and control across sites and departments within your enterprise.

IBM Tivoli Workload Scheduler provides leading-edge solutions to problems in production workload management. It can automate, plan, and control the processing of your enterprise's entire production workload, not just the batch subset. The suite functions as an "automatic driver" for your production workload to maximize the throughput of work, and optimize your resources, but also allows you to intervene manually as required.

IBM TIVOLI WORKLOAD SCHEDULER FOR APPLICATIONS extends the highly sophisticated scheduling features of IBM Tivoli Workload Scheduler to e-business application environments. It allows users to manage enterprise scheduling from a single point and supports advanced integration with enterprise applications.

TIVOLI DATA EXCHANGE is a software solution that enables aggregation and distribution of business-critical information – of varied content – across all major computer platforms and network protocols. Tivoli Data Exchange enables organizations to rapidly, securely, and seamlessly exchange information, both within the enterprise and with business partners.

For more information - ibm.com/tivoli/configuration

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FOR THE LATEST TIVOLI EVENTS AND OFFERS VISIT:

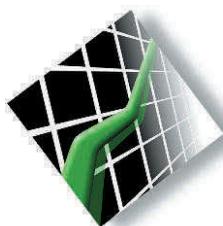
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Intelligent performance and monitoring tools for today's e-business

IBM Tivoli Performance and Availability Management Solutions

WNT W2000 AIX UNIX HP-UX SUN

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IBM Tivoli's performance and availability products continue to provide leadership in the changing market by transitioning customers to a proactive business impact management model that integrates Web-based architectures. The following Tivoli products provide integrated e-business infrastructure management solutions for monitoring, event management, and business impact management:

IBM TIVOLI MONITORING – allows you to apply pre-configured, out-of-the-box, best practices to automate the task of monitoring system resources, to detect bottlenecks and potential problems, and to automatically recover from critical situations. It provides the foundation for additional best practices via Proactive Analysis Components (PACs) for managing business critical hardware and software including middleware, applications, and databases.

IBM TIVOLI MONITORING ACTIVE DIRECTORY OPTION – provides an invaluable set of pre-configured, out-of-the-box automated best practices that proactively manage the directory by monitoring essential resources and detecting potential problems. IBM Tivoli Monitoring Active Directory Option also provides seamless integration with other Tivoli Performance and Availability solutions. Critical components of an Active Directory environment that are monitored include: domain controllers, replication, domain name systems, and dynamic host configuration protocol.

IBM TIVOLI MONITORING FOR APPLICATIONS – helps achieve higher availability and optimized performance of mySAP.com and Siebel eBusiness applications through effective and proactive management. It is comprised of Proactive Analysis Components, or PACs, that monitor and manage a specific application area. The mySAP.com PAC is designed to manage SAP's mySAP.com e-business platform, focusing on proactive management and reporting of all key architecture components such as Web Application Servers, R/3 and mySAP applications, Portal Servers and Internet Transaction Servers. The Siebel eBusiness Applications PAC enables you to manage Siebel applications throughout the enterprise, all from a centralized console.

IBM TIVOLI MONITORING FOR BUSINESS INTEGRATION – manages message-queuing and integration middleware, IBM WebSphere MQ and IBM

WebSphere MQ Integrator, as an integral component of larger business systems - linking its management to databases, applications, and other middleware products spanning host and distributed systems. It provides IT managers with the information they need to understand the business-level impact of this middleware availability and performance. Host and distributed systems can be managed from the same desktop so systems administrators learn only one tool.

IBM TIVOLI MONITORING FOR DATABASES – consists of PACs that help ensure the availability and optimal performance of industry-leading database applications such as DB2, Informix, and Oracle. The primary objective is to provide routine, consistent monitoring and to anticipate and correct problems before database performance and customer confidence is degraded.

IBM TIVOLI MONITORING FOR MESSAGING AND COLLABORATION – as part of an integrated e-business infrastructure solution, it provides the monitoring tools to improve performance, availability, and administration of Lotus Domino, the industry-leading messaging and collaboration product.

IBM TIVOLI MONITORING FOR WEB INFRASTRUCTURE – is designed to help ensure the availability and optimal performance of critical Web resources such as Web servers and Web application servers. This product captures detailed status and performance metrics from the most commonly used Web infrastructure products. It then transforms this data into useful information for Systems Administrators by applying intelligence and delivering it via an intuitive user interface and feeds a common data warehouse for historical reporting and analysis.

IBM TIVOLI MONITORING FOR TRANSACTION PERFORMANCE – is a comprehensive Web-to-enterprise transaction performance monitoring tool. It ensures the availability and performance of e-business and enterprise transactions by measuring actual customer response times, measuring prerecorded or real transactions at regular intervals, and scanning a Web site for potential problems, such as links that do not function.

IBM TIVOLI MONITORING FOR SECURITY & EDGE SERVICES – is designed to help an enterprise manage the complexity of modern computing environments. It simplifies the security management of geographically dispersed users, applications and resources. It also strengthens the total security system associated with internal users (i.e. network and dial-in connections) as well as external users (i.e. supply-chain partners and e-commerce customers).

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Intelligent performance and availability monitoring tools for today's business

IBM Tivoli Performance and Availability Management Solutions (cont.)

IBM TIVOLI BUSINESS SYSTEMS MANAGER – provides a single, simple-to-use interface for consolidating management information into a business-centric view, from across your environment – including distributed, Web and mainframe components. The software is capable of automatically discovering many of the IT resources in your environment, based on the tools you are currently using to manage them. IBM Tivoli Business Systems Manager then gives you the ability to display those resources in a logical, business-oriented view – showing the particular business process served by a group of components. It:

- Provides a unique, configurable business system view that allows management and control of the multiple integrated software components required to deliver a specific business service
- Automatically discovers and builds graphical views of the relationships between applications
- Dynamically adjusts the business system view for components added, modified or deleted.

IBM TIVOLI SERVICE LEVEL ADVISOR – simplifies the process of defining, monitoring and managing your service level agreement (SLA) service offerings. It enables you to:

- Define services from a user perspective, including response time and availability metrics
- Automate service level agreement validation and receive alerts for service level agreement violations
- Identify and fix performance and availability problems before they occur
- Provide flexible, Web-based reports to clients, executives, and IT staff.

IBM TIVOLI WEB SITE ANALYZER – is an enterprise-level Web analytics tool that transforms random Web data into valuable e-business intelligence that is designed to help you gain insights into the health and integrity of Web server and Web site infrastructure supporting e-business initiatives. By capturing, analyzing, storing and reporting on Web site usage, health, integrity and site content, IBM Tivoli Web Site Analyzer can shed light on visitor site interactions and the site's overall performance. It identifies performance trends and patterns of Web server usage, traffic and visitor behavior in a way that helps you evaluate the impact of Web-based marketing programs

IBM TIVOLI ANALYZER FOR LOTUS DOMINO – is a performance and availability management solution that integrates seamlessly into the Lotus Domino 6 Administrator client. This product helps Domino administrators provide greater server availability to their end-users, more efficient utilization of Domino resources, and predictive analysis of Domino server trends to help ensure consistent performance and better capacity planning.

IBM TIVOLI ENTERPRISE CONSOLE – receives events from hardware, applications and network monitoring devices throughout the enterprise (both Tivoli and non-Tivoli), consolidates these events on a single, customizable console, and analyzes the events to automatically highlight the critical problems that merit attention versus the misleading symptoms and effects. Predetermined actions and/or escalations can then be initiated based on the root cause, accelerating restoration time, minimizing costs and maximizing availability.

IBM TIVOLI NETVIEW – is a network management solution that discovers TCP/IP networks, displays network topologies, correlates and manages events and SNMP traps, monitors network health and gathers performance data.

IBM Tivoli NetView accomplishes this through functionality that:

- Provides a scalable distributed management solution
- Quickly identifies the root cause of network failures
- Builds collections for management of critical business systems
- Integrates with leading vendors, such as CiscoWorks2000
- Maintains device inventory for asset management
- Measures availability and provides fault isolation for problem control and management
- Reports on network trends and analysis.

Using "SmartSets," collections of user-defined groups, IBM Tivoli NetView can manage beyond the level of device availability, allowing the customer to develop a management solution based on the entire business system. Performance monitors for TCP/IP and for SNA and TN-3270 networks are available as separate products.

IBM TIVOLI SWITCH ANALYZER – combines with IBM Tivoli NetView to deliver a fully integrated, comprehensive multi-layer network management tool based on proven market-leading technology. It utilizes the existing NetView console and command set along with auto-discovery and automatic correlation of Layer-2 and Layer-2 events to determine network root cause and provide complete availability management of network devices. This powerful integration and automation significantly improves ease-of-use and minimizes the learning curve for IT staff, making time to value almost immediate.

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Protecting and maximizing the integrity and availability of your e-business data

IBM Tivoli Storage Management Solutions

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IBM TIVOLI® STORAGE MANAGEMENT protects your organization's data from hardware failures and other errors by storing backup and archive copies of data on offline storage. Scaling to protect thousands of computers running a dozen OS platforms, its intelligent data movement and store techniques, and complete automation, reduce administration costs while increasing service levels.

IBM TIVOLI STORAGE MANAGER automates data backup and restore functions, supports a broad range of platforms and storage devices, and centralizes storage management operations. Able to protect hundreds of computers, running a dozen OS and connected together via the Internet, WANs or LANs, Storage Manager's centralized Web-based management, smart-data-move and store techniques and comprehensive policy-based automation all work together. A number of optional modules are available, as follows:

IBM Tivoli Storage Manager for Application Servers protects the infrastructure and application data and improves the availability of WebSphere Application Servers.

IBM Tivoli Storage Manager for Databases secures Informix, Oracle and Microsoft SQL data, no matter where or how it is stored.

IBM Tivoli Storage Manager for Enterprise Resource Planning (ERP) provides automated protection of vital SAP R/3 data while reducing the CPU performance impact of data backups and restores.

IBM Tivoli Storage Manager for Hardware supports high-efficiency data backups and archives of your most business-critical applications while minimizing performance impact.

IBM Tivoli Storage Manager for Mail automates the data protection of Lotus Domino or Microsoft Exchange e-mail servers without shutting them down.

IBM Tivoli Storage Manager for Space Management (formerly known as HSM) can automatically move inactive data to less-expensive offline storage or near-line storage.

IBM Tivoli Storage Manager for Storage Area Networks

allows SAN-connected Storage Manager servers and Storage Manager client computers to make maximum use of their direct network connection to storage.

IBM Tivoli Storage Manager for System Backup and Recovery provides comprehensive and flexible backup, restore and reinstallation methods for AIX systems.

IBM Tivoli Storage Manager Extended Edition expands on the data backup and restore, and managed data archive and retrieve capabilities of the base Storage Manager by adding, disaster planning capability, NDMP control for NetApps NAS filers and support for large tape libraries.

IBM TIVOLI STORAGE AREA NETWORK MANAGER is an enterprise SAN management solution based on open SAN standards. Scalable from SAN islands to complex SANs and provides broad support of IBM and non-IBM platforms and devices.

IBM TIVOLI STORAGE RESOURCE MANAGER monitors and reports on heterogeneous storage resources enterprise-wide to increase storage utilization, identify and resolve potential problems, and ensure application availability through policy-based automation. It is a premier Java and Web-based solution that includes over 300 pre-defined reports, enterprise-wide monitoring and alerts, database support and chargeback capabilities. Today's complex heterogeneous environments are supported, including DAS, NAS, and SAN.

Tivoli Storage Resource Manager for Databases enables administrators to discover problems in critical database applications, quickly pinpointing trouble spots, whether it's an individual user or specific application tablespace.

Tivoli Storage Resource Manager for Chargeback uses the storage usage information to accurately distribute data storage costs across the organization and make data users accountable.

IBM Tivoli Storage Resource Manager Express Edition offers affordably priced storage resource management for the desktop. It is designed for deployment on clients, and when used in conjunction with Tivoli Storage Resource Manager, enables a business to intelligently and cost-effectively manage a heterogeneous storage environment. Express Edition contains the same functionality as Tivoli Storage Resource Manager with the exception of NAS support and subsystem views.

For more information - ibm.com/tivoli/storage

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Linux Services

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Technical support: Our premier remote technical support offering, Support Line, can provide ongoing support.

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Educational services: Whether you've made the decision to move to Linux or you're just examining your options, we offer comprehensive education for you and your team to help you decide, as well as technical training to help you implement, maintain and fully leverage the benefits of your Linux infrastructure. We offer classroom, online and Web-based courses designed to fit your budget and address your needs.

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Is your IT environment providing the availability you need?

High Availability Services

Our high availability solutions are designed to address all the factors that can affect your system availability and reliability. We can help you:

- **Develop affordable availability for both IBM and selected multi-vendor environments**
- **Identify what's keeping you from achieving your goals**
- **Provide solutions targeted to your environment, business needs and budget.**

As daily business operations become increasingly dependent on IT, it's crucial to plan and implement infrastructures that can proactively respond to both anticipated and unexpected system stresses and strains.

We offer a variety of services that can help ensure the availability of your IT systems, data, network and facilities.

Services include:

- Consulting
- Technology enablement
- Business continuity and recovery
- Hardware and software support
- Systems and network management
- Security and protection
- Operations and administration
- Site management.

We can help you address small problems, such as verifying that your backup and recovery process works, or larger problems, from planning and installing an availability cluster to developing a complete business continuity plan to help deal with disasters.

Our experts draw upon broad IT experience to perform in-depth operations and systems management analysis, providing you with action-oriented recommendations. Call us now to see how we can help keep your systems available.

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IBM software solutions for servers are portable. Scalable. And help you achieve e-business objectives at the infrastructure level from operating systems to applications.

IBM and ISVs offer broad portfolios of software solutions to run on IBM @server systems—including many of the software products found in this catalog. IBM and ISV solutions for IBM @server iSeries and IBM @server zSeries systems can aid e-business growth in your specific industry—regardless of the size of your business—so you can take advantage of new business opportunities as they arise. And because you can use these solutions along with existing IT investments, they can increase the return on your IT infrastructure investment.

Solutions for IBM zSeries systems include:

- Operating systems designed to meet your growth, performance and budget requirements.
- DB2, Lotus, Tivoli and WebSphere software products from IBM that enable interoperability between components of your business systems—so you can streamline and speed business processes to deliver products, information and services on demand.
- Development and management tools, including WebSphere and Tivoli software from IBM, that allow you to maintain an efficient IT infrastructure—so you can reduce manual IT tasks and allocate those valuable resources to critical business objectives.

Solutions for IBM iSeries systems include:

- DB2, Lotus, WebSphere and Tivoli software products that can enable e-business capabilities like enterprise-wide online collaboration, Web services and IT systems management.
- Applications for client management and job scheduling—so you can improve customer communication and satisfaction and drive retention.
- Software for system and file backup and recovery, improving the availability of your business systems and allowing skilled personnel to focus on other tasks.
- More than 20,000 solutions from ISVs, many of which can be customized by industry to help you achieve specific IT and business objectives.

To learn more about IBM and ISV software solutions for IBM zSeries and IBM iSeries systems, visit ibm.com/software/zseries or ibm.com/servers/eserver/iseries/software.

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Make the transition for strong retailer relationships—and a sharp competitive edge.

There is a major trend among leading retailers to make the transition to electronic data interchange (EDI) via the Internet using AS2. If you haven't felt the push from your retailers yet, it's likely you will soon. As large retailers are realizing the cost savings and increased efficiencies of online EDI, they are requiring their suppliers to follow suit. The transition benefits everyone. Internet EDI helps retailers and suppliers like you deliver products, information and transactions on demand—closing sales faster, increasing customer satisfaction and lowering expenses. The bottom line? The entire industry is making the transition—and the players that move sooner gain the competitive edge.

The industry is also embracing the value of the Uniform Code Council network (UCCnet) global registry. UCCnet lets multiple retailers and suppliers list item data in one central repository. Which means you can realize major time and cost savings by updating supply information once, in one location, reducing order errors and getting new products to market faster.

Let IBM help you make a smooth transition

With long-standing relationships and experience in the industry, IBM is uniquely positioned to help you roll out Internet EDI and UCCnet initiatives. IBM and IBM Business Partners can help you implement a solution, taking into account your organization's size and unique business requirements. Business integration solutions from IBM are built on open industry standards, offering outstanding performance and the flexibility to grow with your changing needs.

Remain competitive in an on demand world

In a quickly changing retail marketplace, you must be able to make changes to your product sets on the fly. Respond to market threats and opportunities. And maintain customer loyalty and strong retailer relationships. Connecting your EDI processes online can get your organization closer to e-business on demand—and keep up with other companies that have already made the transition.

To learn more about how IBM can help you make the move to Internet EDI and UCCnet, call 1 800 426-2255 or visit ibm.com/software/smb/retailintegration.

Consolidate. Centralize. Automate.

*Stop babysitting your data
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- Automatically identify underutilized space and eliminate non-essential data to get more value from your storage systems.
- Reduce the complexity of IT management and minimize storage risks, helping to maintain the security and integrity of valuable business data.

- Manage storage from a single point of control, streamlining IT tasks and lowering administrative expenses.
- Increase availability of stored data to improve customer satisfaction and employee productivity.

For more information on this award winning software, and to download Tivoli Storage Resource Manager trial code, visit:
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